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PARIADAR ZOLIK

ILROAD . AAA

AND GENERAL ADVERTISE

FOR RAILROADS; CANALS, STEAMBOATS, MACHINERY

AND MINES



ESTABLISHED 1831.



PUBLISHED WEEKLY, AT No. 105 CHESTNUT STREET, PHILADELPHIA, AT FIVE DOLLARS PER ANNUM.

SECOND QUARTO SERIES, VOL. III., No. 7.]

SATURDAY, FEBRUARY 13, 1847. [WHOLE No. 556, Vol. XX.

AMERICAN RAILROAD JOURNAL.

OFFICE AT THE FRANKLIN HOUSE, 105 Chestnut Street,

PHILADELPHIA, PA. This is the only periodical having a general circulation throughout the Union, in which all matters connected with public works can be brought to the notice of all persons in any way interested in these undertakings. Hence it offers peculiar advantages for advertising times of departure, rates of fare and p.m. freight, improvements in machinery, materials, as iron, timber, stone, cement, etc. It is also the best medium for advertising contracts, and placing the merits of 5 new undertakings fairly before the public.

TERMS. - Five Dollars a year, in advance.

RATES OF ADVERTISING.

One page per annum	\$12	5	00
One column "			00
One square "	A CONTRACTOR	5	00
One page per month	2	00	00
One column "		8	00
One aquare "		2	50
One page, single insertion	11.5E	8	00
One column " "		3	00
One square " "		1	00
Professional notices per annum	AAAT.	5	00

OSTON AND PROVIDENCE RAIL-

poston and Providence Rallroad. Passenger Notice. Summer Arrangement. On and after Monday, Sept. 28, 1846, the Passenger Trains will run as follows:
For New York—Night Line, via Stonington.
Leaves Boston every day, but Sunday, at 5 p.m.
Accommodation Trains, leave Boston at 7‡ a.m.
and 3‡ p.m., and Providence at 8 a.m. and 3‡ p.m.,
Dedham trains, leave Boston at 9 a.m.; 3 p.m.,
5‡ p.m., and 10‡ p.m. Leave Dedham at 8 a.m.
and 4‡ and 9 p.m.
Stoughton trains, leave Boston at 11‡ a.m. and
4± 0 p.m. Leave Stoughton at 8 a.m. and 2‡ p.m.
All baggage at the risk of the owners thereof.
31 17
W. RAYMOND LEE, Supt.
BRANCH RAILROAD and STAGES CON-

BRANCH RAILROAD and STAGES CONnecting with the Boston and Providence Railroad.
Stages connect with the Accommodation trains at
the Foxboro' Station, to and from Woonsocket. At
the Seekonk Station, to and from Lonsdale, R. I.
via Pawtucket. At the Sharon Station, to and fro
Walpole, Mass. And at Dedham Village Station,
to and from Medford, via Medway, Mass. At Providence, to and from Bristol, via Warren, R. I.—
Taunton, New Bedford and Fall River cars run in
connection with the accommodation trains.

Winter Arrangement, 1846-7.
On and after October 5th, 1846, Passenger Trains will leave daily, (Sundays excepted,) as follows:
Boston for Portland at 7½ a.m. and 2½ p.m.
Boston for Great Falls at 7½ a.m., 2½ and 3-25

Boston for Haverhill at 71 and 111 a.m., 21, 3-25

and 5 p.m. Boston for Reading at 71, and 111 a.m., 21, 3-25

and 6† p.m.
Portland for Boston at 7‡ a.m., and 3 p.m.
Great Falls for Boston at 6‡ and 9‡ a.m., and 4‡

Haverhill for Boston at 71, 81, and 11 a.m. and

3 and 64 p.m.
Reading for Boston at 7, 84 and 94 a.m., 12 m., 14, 4 and 74 p.m.
The Depot in Boston is on Haymarket Square.

The Depot in Boston is on Haymarket Square. Passengers are not allowed to carry Baggage above \$50 in value, and that personal Baggage, anless notice is given, and an extra amount paid, at the rate of the price of a Ticket for every \$600 additional value.

CHAS, MINOT, Super't. 1v31 THE BEST RAILROAD ROUTE TO THE

Lake and Buffalo, from Cincinnati.

Take Cars to Xenia, 65
miles; take Stage to Mansfield, 88 miles; thence by Cars to Sandusky, 56
miles to the Lake; thence Steamboat to Buffalo, 230 miles

Fare by this route, although the cheapest across the state, will be reduced in a short time, railroad lengthened, and speed increased.

Leave Cincinnati in the morning, arrive at Columbus at night.

Leave Columbus and Speed increased.

Leave Columbus in the morning, arrive at San

Leave Columbus in the morning, arrive at Sandusky same day.

Leave Sandusky, by Boat, in the morning, arrive at Buffalo next morning in time for the Cars north and east for Niagara Falls, Canada, Saratoga Springs, Troy, Albany, Boston, New York, Washington, or Philadelphia.

Passengers should not omit to puy their fare through from Cincinnati to Sandusky, or from Columbus to Sandusky via Mansfield; as this route is the only one that secures 56 miles [this road is run over in 2h. 50m.,] most railroad which is new, and is the shortest, cheapest and most expeditious across he state.

Fares on the New York railroads are about to be educed.

B. HIGGINS, Sup'l, etc.

Saudusky, Ohio.

M. 4 S. C. R. R. Co.

Boston and Maine Railroad.
Upper Route, Boston to Portland via, Reading,
Andover, Haverhill, Ereter, DoIst until further notice, will
run daily (Sundays excepted) between the city of New York and Middletow
Goshen, and intermediate places, as follows:

Leave New York at 7 A.M. and 4 P.M.

Middletown at 6; A.M. and 5; P.M. FARE REDUCED to \$1 25 to Middletown—way roportion. Breakfast, supper and berths can be h

on the steamboat.

FOR PREIGHT—
Leave New York at 5 P. M.

"Middletown at 12 M.

The names of the consignee and of the static where to be left, must be distinctly marked upon the static shipmed. Freight not received after each article shipped. Freight not received and P. M. in New York.

Apply to J. F. Clarkson, agent, at office corner of Duane and West sts. H. C. SEYMOUR, Sup't. March 25th, 1846.

Stages run daily from Middletown, on the arrival of the alternoon train, to Millord, Carbondale, Honesdale, Montrose, Towanda, Owego, and West; also to Monticello, Windsor, Binghamton, Ithaca, etc., etc. Agent on board.

NORWICH AND WORDESTER RAIL Road. Summer Arrangement, commencin

Monday, April 6, 1846. Accommodation Trains, daily, except Sunday. Leave Norwich, at 6 a.m., and 41 p.m. Leave Worcester, at 10 a.m., and 41 p.m. p.m.

The morping Accommodation Trains from Norwich, and from Worcester, connect with the trains of the Boston, and Worcester and Western railroads each way.

The Evening Accommodation Train from Wor ster connects with the 1 p.m. train from Boston. New York Train via Long Island Railroad: Leave Allyn's Point for Boston, about 1 p.m., dai-

Leave Allyn's Point for Boston, about 1 p.m., daily, except Sunday.

Leave Worcester for New York, about 10 a.m., stopping at Webster, Danielsonville, and Norwich. New York Train via Steamboat—Leave Norwich for Boston, every morning, except Monday, on the arrival of the stamboat from New York, stopping at Norwich and Danielsonville.

Leave Worcester for New York, upon the arrival of the train from Boston, at about 41 p.m., daily, except Sunday, stopping at Webster, Danielsonville and Norwich.

Freight Trains daily each way, except Sunday.— Special contracts will be made for cargoes, or large quanties of freight, on application to the superinten dent.

Fares are Less when paid for Tickets than soles 32 ly

ROY RAILROADS, IMPORTANT NO-tice.—Troy and Greenbuch Railroad, forming a continuous track from Boston to Buffalo and Baratoga Springs.

This road is new, and laid with the heaviest iron H rail. Trains will always be run on this road connecting at Greenbush each way with the trains to and from Boston and intermediate places, leaving Greenbush daily at 14 p.m. and 6 p.m., or on arrival of the trains from Boston; leave Troy at 74 a.m. and 44 p.m., or to connect with trains to Boston Trains also run hourly on this road between Troy and Albany. Running time between Greenbush and Troy, 15 minutes.

and Albany. Runni and Troy, 15 minutes.

TROY AND SCHENECTADY RAILROAD.
This road is laid its entire length with the heaviest H rail—which is not the fact with the road from Albany. Trains will always be run on this road connecting each way, to and from Buffalo and intermediate places. Leave Troy for Buffalo at 7½ a.m. and 1 p.m. and 6½ p.m., or to connect with the trains for the west; leave Schenectady at 2½ a.m., 8½ a.m., T p.m. and 3½ p.m., or on arrival of the trains from Buffalo and intermediate places.

TROY AND SARATOGA RAILROAD.

No change of passenger, baggage or other cars on this route. Cars leave Troy for Ballston, Saratoga Springs, Lake George and White Hall at 71 a.m., (arriving one hour in advance of the train from Albany,) and at 3½ p.m. Returning, leave Saratoga at 9 a.m. and 3½ p.m., (reaching Troy in time for the evening boats to New York.) Cars also leave Troy for the Burrough at 3½ p.m. and 7 p.m., connecting with packet boats for the north. This takes passengers from New York and Boston to Montreal in 44 hours.

n 44 hours.

N.B. Travellers will find the routes through Troy most convenient and economical, and as expeditious as any other. The steamboats to and from New York land within a few steps of the railroad office, and passengers are taken up and landed by the dif-ferent railroad lines at the doors of principal hotels, thus saving all necessity for, and annoyance from, hack drivers, cabmen, runners, etc.

Aug 3, 1846.

BALTIMORE AND OHIO RAYLROAD.

MAIN STEM. The Train carrying the

Great Western Mail leaves Baltimore every morning at 7; and Cumber and at 8 o'clock, passing Ellicott's Mills, Frederick, Harpers Ferry, Martinsburgh and Hancock, conncting daily each way with—the Washington Trains at the Relay House seven miles from Baltimore, with the Wairous railroad and Harpers Ferry — with the various railroad and from Baltimore, with the Winchester Trains at Harpers Ferry — with the various railroad and steamboat lines between Baltimore and Philadelphia and with the lines of Post Coaches between Cumberland and Wheeling and the fine Steamboats on the Monongahela Slack Water between Brownsville and Pittsburgh. Time of arrival at both Cumberland and Baltimore 5½ P. M. Fare between those points \$7, and 4 cents per mile for less distances. Fare through to Wheeling \$11 and time about 36 hours, to Pittsburgh \$10, and time about 32 hours. Through tickets from Philadelphia to Wheeling \$13, to Pittsburgh \$12. Extra train daily except Sundays from Baltimore to Frederick at 4 P. M., and from Frederick to Baltimore at 8 A. M.

WASHINGTON BRANCH.

WASHINGTON BRANCH.

Daily trains at 9 A. M. and 5 P. M. and 12 at night from Baltimore and at 6 A. M. and 51 P. M from Washington, connecting daily with the lines North, South and West, at Baltimore, Washington, and the Relay house. Fare \$1 60 through between Baltimore and Washington, in either direction, 4 cents per mile for intermediate distances.

THE SUBSCRIBER IS PREPARED TO L execute at the Trenton Iron Works, orders for Railroad Iron of any required pattern, and warranted equal in every respect in point of quality to the best American or imported Rails. 'Also en hand and made to order, Bar Iron, Braziers' and Wire Rods, etc., etc. PETER COOPER 17 Burling Slip. New York.

NEW RAILROAD ROUTE FROM BUF-

Columbus and Cincinnati,
O., Louisville, Ky., St. Louis, Mo., Memphis, Tenn.,
Vicksburg, Natches, New Orleans, and all internediate ports, will find a new, and the most expeditious and comfortable Route, by taking Steamboats at Buffalo, landing at Sandusky City, Ohio, dis-Passengers destined for fance.

From thence by Cars, over the Mansfield Railroad which is new and just opened [laid with heavy Iron,] to Mansfield, distance.

Passengers should not omit to pay their fare through from Sandusky City to Cincinnati and take receipts availing themselves of the benefit of a contract existing between the said Railroad and Stage Co's, securing 121 miles travel by good Railroad and 88 miles by Stage, in crossing from Lake Erie to the Ohio river, in the space of 30 hours.

Passengers destined for St. Louis, or any point below on the Mississippi, will save by taking this route, from 4 to 6 days time and travel, and nearly half the expense, over the Chicago and Peoria route to the above places.

Fare by this route, although the cheapest, will in a short time be reduced, Railroad lengthened, and

speed increased.

B. HIGGINSON, Sup't, etc. M. & S. C. R. R. Co.

3 45 p.m.
Leave City Hall for Hunt's Bridge, Bronx, Tuckahoe, Hart's Corners White Plains, Davis' Brook, Unionville and Pleasantville, [Pleasantville 4 miles from Sing Sing,] 7 45 and 10 45 a.m.; 1 15 p.m., 2 p.m. [freight train], and 3 45 p.m.

RETURNING.
Leave Pleasantville, at 8, 10, [freight train], and

Leave Plensantville, at 8, 10, [freight train], and 11, a.m.; 1 20, and 4, p.m.
Leave White Plains, at 812, 10 30, [freight train] and 11 20 a.m.,; 1 50, and 4 20, p.m.
Leave Tuckahoe, 8 35, 10 55, [freight train,] and 11 35, a.m.; 2 05, and 4 35, p.m.
Leave Williams' Bridge at 7 45, 8 50 and 11 50 a. m.; 2 20, 4, and 4 50 p.m.
Leave Morrisiania 8 and 9 05 a.m.; 12 05, 2 35, 4 20. 5 05 and 6 p.m.

20, 5 05 and 6 p.m. Leave Yorkville, at 8 12 a.m.; 435 and 6 15 p.m.

FARE. *** **** **** *** **** Way points in proportion.

PITTSBURG, GETTYSBURG AND

HARRISBURG.

Through tickets to Pittsburg via stage to Har-

Through tickets to Pilisburg via stage of risburg risburg 10

Or via Lancaster by railroad 10

Through tickets to Harrisburg or Gettysburg 10

In connection with the afternoon train at 31 o'clock, a horse car is run to Green Spring and Owing's Mill, arriving at the Mills at 51 p.m., Returning, leaves Owing's Mills at 7 a.m.

D. C. H. BORDLEY, Sup't.

31 1y Ticket Office, 63 North st.

Trains leave Lexington for Frankfort daily, at 5 o'clock a.m., aud 2 p.m.
Trains leave Frankfort for Lexington daily, at 8 o'clock a.m. and 2 p.m.
Trains leave Frankfort for Lexington daily, at 8 o'clock a.m. and 2 p.m.
Distance, 28 miles. Fare \$1.25.
On Sunday but one train, 5 o'clock a.m. from Lexington, and 2 o'clock p.m. from Frankfort.
The winter arrangement (after 15th September to 15th March) is 6 o'clock a.m. from Lexington, and ma. 9. from Frankfort, other hours as above.

SOUTH CAROLINA RAILROAD.——
Passenger Train runs daily from Charleston with trains on the Georgia, and Western and Atlantic Railroads—and by stage lines and steamers connects with the Montgomery and West Point, and the Tuscumbia Railroad in N. Alabama.

Fare through from Charleston to Montgomery daily

The South Carolina Railroad in N. Alabama.

Fare through from Charleston to Montgomery and West Point, and Tuscumbia Railroad in N. Alabama.

Fare through from Charleston to Montgomery daily.

Substitute of the South Carolina Railroad Co. engage to receive merchandize consigned to their order, and to forward the same to any point on their road; and to forward the same to any point on their road; and to forward the same to any point on their road; and to forward the same to any point on their road; and to forward the same to any point on their road; and to forward the same to any point on their road; and to forward the same to any point on their road; and to forward the same to any point on their road; and to Montgomery, Ala., by for above named places, 2 p.m. [freight train,] 2 30 p.m. 5 p.m. to Morrisiania only.

Leave City Hall for Hankem, Morrisiania, Fordham and Williams' Bridge, at 7 45 a.m., and 10 45 a.m.; 1 15 p.m., 2 p.m. [freight train], 2 30 p.m. and

Leave City Hall for Hunt's Bridge, Bronx Tuskahoe, Hart's Corners White Plain.

This Road is one of the Suran Suran

Leave Norrislanta 8 and 9 05 a.m.; 12 05, 235, 420, 5 05 and 6 p.m.

Leave Yorkville, at 8 12 a.m.; 435 and 6 15 p.m.

SUNDAY ARRANGEMENTS.

Leave City Hall for Pleasantville and intermediate places, at 7 45 a.m.; 1 15 and 3 p.m.

Leave Pleasantville for City Hall, at 8 a.m.; 11, and 3 15 p.m.

Leave City Hall for Williams' Bridge and intermediate places, 10 45 a.m.; 2 30 p.m.

Leave Williams' Bridge for City Hall, at 8 50 and 11 50 a.m.; 1, 3 45 and 4 05 p.m.

1, 240

Gen'l. Sup't. Transportation.

MANUFACTURE OF PATENT WIRE

Rope and Cables for Inclined Planes, Standing Ship Rigging, Mines, Cranes, Tillers etc., by

JOHN A. ROEBLING, Civil Engineer,

Pittsburgh, Pa.

These Ropes are in successful operation on the planes of the Portage Railroad in Pennsylvania, on the Public Slips, on Ferries and in Mines. The first rope put upon Plane No. 3, Portage Railrord, has now run 4 seasons, and is still in good condition.

CENTRAL AND MACON AND WEST-ern Railroads, Ga.—These Roads with the Western and Atlantic Railroad of the State of Georgia, form a continuous line from Savannah to Oothcaloga, Ga. of 371 miles, viz: Savannah to Macon—Central Railroad190
Macon to Atlanta—Macon and Western101
Atlanta to Oothcaloga—Western and Atlantic.. 80
Goods will be carried from Savannah to Atlanta
and Oothcaloga, at the following rates, viz: On Weight Goods-Sugar, Cof-Regin Goods—Sugar, Coffee, Liquor, Bagging, Rope, Butter, Cheese, Tobacco, Leather, Hides, Cotton Yarns, Copper, Tin, Bar & Sheet Iron, Hollow Ware & Castings. 80 75 under 12 years of age, half price,
Savannah to Macon, \$7.
To Goods consigned to the subscriber will be forwarded free of Commissions.

Freight may be paid at Savannah, Atlanta or Oothcaloga.

F. WINTER, Forwarding Agent, C. R. R. Savannah, Aug. 15th, 1846.

GREAT SOUTHERN MAIL LINE! VIA Washington city, Richmond, Petersburg, Weldon and Charleston, S. C., direct to New Orleans.
The only Line which carries the Great Southern Mail, and Twenty-four Hours in advance of Bay

Mail, and Twenty-tour Hours in advance of Bay Line, leaving Baltimore same day.

Passengers leaving New York at 4‡ P.M., Philadelphia at 10 P.M., and Baltimore at 6‡ A.M., proceed without delay at any point, by this line, reaching Richmond in eleven, Petersburg in thirteen and a half hours, and Charleston, S. C., in two days from Baltimore

Fare from Baltimore to Charleston.....\$21 00 For Tickets, or further information, apply at the Southern Ticket Office, adjoining the Washington Railroad Office, Pratt street, Baltimore, to 1914 STOCTON & FALLS, Agents.

RAILROAD SCALES.—THE ATTEN-tion of Railroad Companies is particularly re-quested to Ellicotts' Scales, made for weighing load-ed cars in trains, or singly, they have been the in-ventors, and the first to make platform scales in the United States; supposing that an experience of 20 years has given a knowledge and superior advan-tage in the business.

The levers of our scales are made of wrought iron, all the bearers and fulcrums are made of the best cast steel, laid on blocks of granite, extending across the pit, the upper part of the scale only being made of wood. E. Ellicott has made the largest Railroad Scale in the world, its extreme length was one hundred and twenty feet, capable of weighing ten loaded cars at a single draft. It was put on the Mine Hill and Schuylkill Haven Railroad.

We are prepared to make scales of any size to

We are prepared to make scales of any size to weigh from five pounds to two hundred tons.

ELLICOTT & ABBOTT.

Factory, 9th street, near Coates, cor. Melon st.

Office, No. 3 North 5th street,

Philadelphia, Pa.

GUSTA to ATLANTA—171 MILES.
AND WESTERN AND ATLANTIC RAILROAD FROM ATLANTA TO GOTHCALOGA, 80 MILES.
This Road in connection with

the South Carolina Railroad and Western and Atlantic Railroad now forms a continuous line, 389 miles in length, from Charleston to Oothcaloga on the Oostenaula River, in Cass Co., Georgia.

oga,

and Furnature, per cu bic foot	PA	Betwee Charles and		
	250 mile	s. 386 miles		
1st class. Boxes of Hats, Bonnets, and Furnature, per cu-	Acres 16	\$0 25		
2d class. Boxes and Bales of Dry Goods, Sadlery, Glass, Paints, Drugs and Con-				
fectionary, per 100 lbs. Sugar, Coffee, Liquor, Bagging, Rope, Cotton Yarns, Tobacco, Lea- ther, Hides, Copper, Tin, Bar and Sheel Iron, Hollow Ware, Castings, Crockery, etc.	10 12 10	0 75		
4th class. Flour, Rice, Bacon, Pork Beef, Fish, Lard, Tallow, Beeswax, Feathers, Ginseng, Mill Gearing, Pig Iron, and Grindstones, etc	0 37 0 45 8 50	0 624		
Salt per Liverpool sack Ploughs, Corn Shellers, Cultivators, Straw Cut- ters, Wheelbarrows		95		

more, will be carried over the above roads at 2 cents per mile.

Goods consigned to S. C. Railroad Co. will be forwarded free of commissions. Freight may be paid at Augusta, Atlanta, or Oothcaloga.

J. EDGAR THOMSON,

Ch. Eng. and Gen. Agent. Augusta, Sept. 2d, 1846. *44 1y

THE WESTERN AND ATLANTIC Connecting in Baltimore with Mail Lines south and Oothcaloga, a distance of 80 miles, and connects daily (Sundays excepted) with the Georgia Railboth morning and afternoon. road.

From Kingston, on this road, there is a tri-weekly line of stages, which leave on the arrival of the cars on Tuesday, Thursday and Saturday, for Warrenton, Huntsville, Decatur and Tuscumbia, Alabama, and Memphis, Tennessee.

On the same days, the stages leave Oothcaloga for Chattanooga, Jasper, Murfreesborough, Knoxville and Nashville, Tennessee.

This is the most expeditions route from the east to

This is the most expeditious route from the east to any of these places.

CHAS. F. M. GARNETT, Chief Engin Atlanta, Georgia, April 16th, 1846.

TO RAILROAD COMPANIES AND MANufacturers of railroad Machinery. The subscribers have for sale Am. and English bar iron, of allsizes; English blister, cast, shear and spring steel;
Juniata rods; car axles, made of double refined iron;
sheet and boiler iron, cut to pattern; tiers for locomotive engines, and other railroad carriage wheels,
made from common and double refined B. O. iron;
the latter a very superior article. The tires are
made by Messrs. Baldwin & Whitney, locomotive
engine manufacturers of this city. Orders addressed to them, or to us, will be promptly executed.

When the exact diameter of the wheel is stated in

LITTLE MIAMI RAILROAD.—OPEN
TO SPRINGFIELD—Distance 84 miles—

connecting at Xinia and Springconnecting at Xinia and Springfield with Mesars. Neil, Moore,
& Co's. daily daylight lines of stages going east
and north, to Columbus, Zanesville, Wheeling,
Cleveland, and Sandusky City via Urbana, Bellefontaine, Kenton, and the Mad river and lake Erie
railroad, or Columdus, Delaware, and the Mansfield
and Sundusky City railroad—forming, by these connections, the cheapest and most expeditious route to
Buffalo, Niagara Falls, Rochester, Albany, New
York, and Boston. York, and Boston.

York, and Boston.

On and after Thursday, August 13, 1846, until further notice, a Passenger train will run as filows:

Leave Cincinnati daily at 9 A. M., for Milford, Foster's Crossing, Deerfield, Morrow, Fort Ancient, Freeport, Waynesville, Spring Valley, Xenia, Old Tuwn, Yellow Springs, and Springfield.

Returning, will leave Springfield at 4 hours 35 minutes A. M. A line of Hacks runs in connection with the Cars, between Deerfield and Lebanon.

FARE—From Cincinnati to Lebanon...\$1 00

" " Kenia..... 1 50

" " Springfield... 9 00

" " Columbus... 4 00 66 88 " Sundusky city 8 00

The Passenger trains runs in connection with Strader & Gorman's line of Mail Packets to Louis-

Tickets can be procured at the Broadway Hotel, Dennison House, or at the Depot of the Company, on East Front street.

Further information and through tickets for the Stage lines, may be procured at P. Campbell, Agent on Front street, near Broadway.

The company will not be responsible for baggage beyond 50 dollars in value, unless the same is returned to the conductor or agent, and freight paid at of a passage for every \$500 in value over that

amount.

The 1½ P. M. train from Cincinnati, and the 2
40 P. M. train from Xenia, will be discontinued on and after Monday, the 10th instant.

A freight train will run daily.

47tf W. H. CLEMENT, Supt.

PHILADELPHIA, WILMINGTON & BALTIMORE RAILROAD.—1847. Winter Arrangement,

Philadelphia for Baltimore...8 a.m. and 4 p.m. Baltimore for Philadelphia...9 a.m. and 8 p.m.

Sundays, the Morning Lines do not run in either direction.

Accommodation train from Wilmington to Philadelphia, leaves Wilmington at 8 a.m., and returns at 2 p.m.

J. R. TRIMBLE, 2tf

Engineer and General Superintendent.

AWRENCE'S ROSENDALE HYDRA-ulic Cement. This cement is warranted equal to any manufactured in this country, and has been pronounced superior to Francis' "Roman." Its value for Aqueducts, Locks, Bridges, Flooms and all Masonry exposed to dampness, is well known, as it sets immediately under water, and increases in coliding for years. solidity for years.

For sale in lots to suit purchasers, in tight paper-ea barrels, by JOHN W. LAWRENCE, 142 Front street, New York.

To Orders for the above will be received and

promptly attended to at this office.

sheet and boiler iron, cut to pattern; tiers for locomotive engines, and other railroad carriage wheels, made from common and double refined B. O. iron; the latter a very superior article. The tires are made by Messrs. Baldwin & Whitney, locomotive engine manufacturers of this city. Orders addressed to them, or to us, will be promptly executed.

When the exact diameter of the wheel is stated in the order, a fit to those wheels is guaranteed, saving to the purchaser the expense of turning them out inside.

THOMAS & EDMUND GEORGE, 19 Albany Iron and Nail Works, 19 Albany Iron and Nail

Reading Railroad Report for 1846 Continued from page 93

34	0.010.001 0015		00.100				
o railroad	321,846 05	stock shares r cent. Loar " " " " " "	1839-40, 1839, con 1843, mo	50 onvertible, payable 1847 convertible, "1850 vertible, £100,000, payable 1850 rtgage, conver., £210,000 payable 1860 lar bonds, payable 1860.	1,008,000 00 480,000 00	343,200 00 2,170,500 00 523,200 00	
for value on hand 46,25716 o materials for road- way department for value on hand 11,998 34	-58,255 50 6 pe	r cent. " r cent. " bonds and m	1836, 1845, mo 1845, mo nortgages on 1	rtgage and convertible, payable 1860 do. do., £196,000, do. 1860 rtgage and convertible, payable 1848 rtgage and convertible, payable 1849 real estate	104570.07	1,468,000 00 1,399,000 00 940,800 00 75,000 00	A CONTRACTOR ASSESSMENT
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CERTAIN TO THE CONTRACTOR	Tra	nsportation	accounts due	by sundry persons for freight, tolls, etc. alance due on subscription of stock and	103,600 62	1,230,007 03	ni le nemi
	By	cash on han	ed at the last	annual meeting	227,018 50 44,398 91	375,018 03	923,069 0
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unning account, per statement if Torkshop, do. do. epot, do. do. aperintendence, do. do. ateral railroad, do. do. ateral railroad, do. do. ateral railroad, do. do. ateral railroad, do. do. do. ateral railroad, do.	d belonging to this d for coal dumped for repairs of road	200,359 81 37,206 37 17,128 85 3,463 35 2,641 38 651,876 29 31,194 15 136,123 93 10,078 33 146,202 30	620,682 14 69,359 51	Freight and tolls on coal	sources	9,713 84	HOME PLANING
To contingent expenses, office or amount paid for salaries, a tionery, printing, etc	in Philadelphia. attornies' fees, sta- or amount paid for		142,967 54 21,226 11 8,084 84 1,037,795 21				topolica of
Dept. of the state of the state of			\$1,900,115 35	Philadelphia, December 1, 1846.	Treasurer.		\$1,900,115 3
16: 12/4 11/3	Tal	de Showin	g the Busine	ess. (Each Item Monthly.)			
reight on goods 10,276 26 9,5 reight on coal 45,467 48 52,	, 1846. Feb. N 976 54 6,047 32 8, 273 92 9,093 70 12, 720 82 49,101 91 74,	999 24 13,3 077 83 15,7 864 71 125,4	oril. May. 340 42 13,455 64 90 14.024	June. July. August. Sep.	,948 54 12,30 ,719 92 198,3	57 01 11,095 00 75 10 369	36 \$1,41749 (92 137,583 8 61 1,600,667 (

The receipts from coal have increased 80 per ciency, for the Falls Grade, have been purcars, originally 3 1 5 tons capacity, have been cent; from merchandize 127; and from paschased by the company; 4 second class en enlarged to carry 4.65 tons, as alluded to in sengers 37 per cent. over the same items last gines, hitherto light and inefficient machines, my last report.

Every locomotive engine owned by the

REPORT OF ENGINEER AND SUPERINTENDENT.

John Tucker, Esq., President of the Philadelphia and Reading Railroad Company.

Sin:—The following report of the Transportation, Readway, and Construction Departments, for the year ending November 30, 1846, is respectfully submitted.

The gross and net expenses of this departate at Reading, and now work with power and efficiency increased over 100 per cent.

The car force of the road has also been largely increased. During the past year have the apportionment of these expenses to the been added 1522 iron coal cars, 76 freight various branches of business for which they agage and 1 new ladies car. 3 second class.

Transportation Department.—The business of the road, including coal and merchan dize tonnage, passengers, and receipts from these sources, is contained in statement A.—class, including two of great power and efficiency, for the Falls Grade, have been pure cars, for merchandize and use of road, 1 baggage and 1 new ladies car, 3 second class passenger cars altered to double their former capacities, and 33 eight wheeled coal engine wood tenders

Five hundred and forty-eight wooden coal cent.; from merchandize 1972, and for the Falls Grade, have been pure cars.

company, with its maker, present condition etc., is recorded in statement E, and their cos of repairs and working, in statement F. Th repairs of coal, merchandise, and passenge cars, are exhibited in statement G, with th items of wages, materials, etc. The cost of hauling coal for the past year is shown in detail in statement H. It has amounted to 38 39 cents per ton. The chief causes of this increased cost of 18 cents per ton over last year, are, the great decrease of coal ton nage from the cessation of business of some of the lateral railroads, in consequence of the freshet in May; and the great falling off in demand for coal in August and September thus diminishing our business, while th causes were too temporary to justify a dis charge of men.

Other causes contributed to the same result the increased cost of wood-the irregularity in the coal business, by a larger proportion of coal being consigned to the city of Phila delphia, causing engines and their crews to lay over more frequently for want of trains and the increased cost of repairing engines a night, and over hours, rendered necessary from the failure of delivery of 4 first clas engines, contracted for last winter, to be received by June 1st of this year. The cost of transporting passengers and merchandize contained in detail, in statements K and L Statement M shows the items of cost of trans portation over the State railroad for the pas year.

A table of the supply of coal from the va rious sources in Schuylkill county, with th points on the Reading road to which suc coal was consigned, will be found in state ment N.

The necessity for adopting and using a most exclusively, anthracite coal for fuel, ha engaged, for several years past, the mos serious attention of the undersigned. Nu merous experiments have been made to burn this staple of the road in its locomotive engine but hitherto without that success which would warrant its adoption in engines of the presen build. An engine and boiler for this purpose invented by the undersigned, on principle entirely new, are now building in the Reading workshops, and with every prospect of success in accomplishing the above result.

Roadway Department.—Comprising repairs and renewals of track, bridges, depote water stations, etc., for the year ending No vember 30, 1846.

Total cost of repairs and renewal of supe structure of bridges and road bed for the yea

Wages of all laborers, in	clud	ling	100	
foremen			\$60,890	11
Wages of mechanics .	T de		15,936	
Iron, steel, tools, etc			4,837	50
Timber for rewals and	repai	irs	19,319	49
Clearing snow .	100		887	
Masonry			4,327	27
Watchmen in tunnels			784	56
Sundries, oil, rents, etc.	124		3,527	26

\$110,510 26

To which must be added, what would have been the cost of repairing and strengthening of

H	RICAN RAILROAD JOURNA
n,	wooden structures, replaced dur-
st	ing the year with stone and iron
10	bridges, 4,460 50
er	5114604
	Actual cost of repairs of track
of	
n	THE REPORT OF THE PARTY OF THE
o	Engines, Cars, and Stationary Machinery,
-	Transporting, Saming, and preparing
of	Materials, etc.
er	Engines, cost of wages, repairs,
u.	6-1
1e	Care ranging oil tallow ate 1904 591
e	Manager 11 in first standards
in	etc 1,006 14
г,	Stationary engines, and other ma-
le	chinery, materials and work, 1,601 00
3-	chinery, materials and work, 1,001 00
	\$11,242 \$6
t:	The second secon
y	Water Stations, Depots and Engine Houses,
n	Cost of keeping in order.
a-	Timber, iron, painting, etc 134 11
to	Workmanship, masonry, roofing
8;	and materials, . : 890 14
at	
y	
88	Total, \$1,191 74
e-	
of	Superintendence and Office Rent.
is	Salaries of all officers and agents 3,028 67
L.	Stationery, printing, etc 247 44
s-	
st	\$3,276 11
	Railroad Iron.—This item of expense has
a-	It was to see it was a street to the animinal analitable
ne	7 1 001 1 1 01
h	4 1 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
0	6 1 1 1040 Call 1 1
0	257 of the lighter rails, varying from 45 to
1.	55 lbs. per yard-equal to 235 tons. Of
AS	1001.
st,	
u-	C. C
n	1 40*
	1
es ld	
	First cost of 235 tons of iron re-
e,	placed at \$70, \$16,450 00
29	
d-	By 1851 tons of above,
of	,
	ued at \$50, 9,275 00
e-	By 49½ tons valued at
is,	
0-	iron \$35 1,732 50
r-	Deduct
r.	Control of the Contro
	Loss on above 1506 bars, \$5,442 50
11	

pations on this subject.

Watchmen at Bridges and Depots. Wages of all watchmen at bridges 9,529 01 Wages of watchment at Pottstown 549 32 depots and yard

less than \$60 per ton.

Recapitulation of Roadway Expenses
Maintenance of way, track and
bridges,
Engines, cars, and machinery, 11,242 86
Water stations, depots and et-
gine houses, 1,191 74
Watchmen at bridges and depots 10,078 38
To the contract of the contrac
Superintendence and office rent 3,276 11
- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
\$146,202 30
Deduct value of materials on hand, viz:
On hand Nov. 30, '46, 17,367 86
On hand Dec. 1, '45, 14,133 10-3,234 76

Total cost of roadway department for the year, 142,967 54

In concluding the report of the Railway Department, I would state, that the road and bridges are at present in excellent order, after passing a tonnage amounting to 1,507,291

Construction Department-Comprisingall expenditures for new work, as stated and explained below.

Track-Including cost of grading, superperstructure, and laying down of main and turnout track, at the following points:

4		Fest.
*	At Mount Carbon, for coal cars and	STORES AND A
1	workshops,	722
1	Schuylkill Haven, for coal cars and	S. Links
3	workshops,	1,122
Y	Orwigsburg, for coal and wood cars,	450
d	Port Clinton, do do	768
2	Hamburg for coal and freight,	813
d	Mohrsville, for coal cars,	2,060
0	Between Mohrsville and Reading, for	STORY OF
I	coal, lime and ore,	1,054
	At Reading, for coal and freight care,	
1	coal shutes, wood train, and shops,	8.073
,		500
	Pottstown, for coal and merchandize	
e		2,554
	Norristown, for coal cars,	2,142
	Conshehocken, for connection with	
0		3,445
	Between Falls and Plane, part of	
	double track,	6,300
	At Richmond, on North and Spur	
	wharves,	9,942
	New Engine House and workshops,	
	At other points,	2,645
		2000
	Total	AQ 497

Or 8.79 miles. Total cost, including iron (except the rails) sills, labor, grading Pottstown yard, making 102,469 cubic yards embankment at Richthe tonnage of the road for the year; which mond North wharves, and all materials for entirely confirms our predictions and antici- above new tracks, coal shutes, switches, etc.,

\$82,172 18.

Richmond Wharves.—The northern tier of wharves, hitherto supplied with coal cars by horses, from the siding where left by the engine, at a great cost and delay, have been made to correspond with the new southern \$10,078 33 tracks, of a total length of 8,570 feet, for this tracks, of a total length of 8,570 feet, for this purpose, lead upon each wharf, which are worked altogether by locomotives, thus at-Long and convenient double wharves.

taining the greatest economy and dispatch, from either end of the line by two tracks Recapitulation of Expenditures of. Construcwhen compared with the old method by forming a Y.

A new Spur Wharf, 686 feet long, has boiler iron work, 104 by 82 feet. been added on wharf No. 14; and new scales, shutes, planking, etc., with all the requisite 190 feet by 67 feet. A reservoir, holding fixtures, have been laid down on several of 700,000 gals. water, supplied by a steam en the other wharves. Total cost of all above gine, for the use of the workshops and pass work, \$32,756 19.

Bridges.—Under this head are included building stone arches, wing walls, and parapets, under the following bridges, originally of wood: Irish Creek, \$4,890 53; Big Dam, sished with an ample supply of water, by \$10,704 75; Shaeffer's, \$5,535 35; Potts-stationary engines, worked at trifling expenses town Bridge, including nine stone arches and from the refuse fuel of the stations; at which long side walls, \$42,676 04; Phonixville, points large and convenient wood sheds and \$2,255 43; and Manayunk, \$6,314 60. Of cisterns have been also erected. these, five bridges are now nearly completed; and, when entirely so, will be rendered per-manently secure, and relieved of all future charges for watchmen and repairs,

Heavy arch pieces have been added to the

Total cost, including filling in of earth, \$89,789 25.

Engine Houses, Depots. Workshops, Water Stations, Reservoirs, and Buildings generally.- The business of the past season, increasing far beyond the facilities hitherto afforded, under these heads, rendered immediate and extensive additions essentially necessary.

road, involving delays to the coal trade, had ing materials for Construction Department been experienced during the past year. Engines have been frozen up and subjected to heavy repairs in consequence of exposure to red at the Reading and other depots, by the track, \$8,081 42.

employment of a large force of hands, re
Iron Bridgesquired to change locomotives, freight, wood, and passenger cars on the turnout tracks, bein all 220 lineal feet; and 3 bridges now

of trains, had been stopped for want of water at one of the principal stations on the line, (since supplied with a stationary steam engine,) and, in some instances, loads of freight mills, drill presses, tilt-hammers, vices, and have been refused, for some days, at the old tools of all descriptions, for shops at Schuyl-Reading freight house, previous to the erec kill Haven, Reading, Pottstown, and Rich-

The road is now relieved of such delays, and most of their contingent expenses.

One large engine house, capable of holding entering and leaving, watering, etc., has just been completed; as also buildings for the same purpose, of less capacity, but proportion ed to the wants of the stations at Mount C. ed to the wants of the stations, at Mount Car-bon, Pottstown and the Falls. At Reading, where the main workshops of the Company have been located, the following important and efficient improvements have been constructed during the year: A merchandize de-pot, 124 feet by 84 feet, standing 350 feet from the main track, furnished with doors allowing 11 wagons to be loading and unloading at the same time; and approached

A shop for repairs of iron coal cars and

An addition to the main machine shop ing trains. A time-keeper's office, water and wood stations, &c.

The stations at Port Clinton, Mohrsville,

Efficient workshops, connected with the engine house, 221 feet by 63 feet, have been built at Richmond, for repairing and refitting engines and cars at that terminus of the road; and at Pottstown, where the work of the Falls Bridge, which is now in excellent Road Department is chiefly done, spacious shops have been built, one 151 by 81 feet.

The road will therefore commence the business of the coming year, with facilities for every branch of its operations of the most ample character, requiring a trifling, if any, fufuture expenditures.

Total cost, \$123,727 24.

Transportation of Materials-Including wages of men, fuel, oil, water, repairs of en-Serious interruptions to the working of the gines and cars, and all expenses of transport-

Vertical Walling .- Expenses of completthe weather, for want of engine houses and ing Valley Forge walls, and rebuilding walls workshops: great expenses have been incur- at Falls, rendered necessary by use of double

Iron Bridges-Including construction of 6

tween the main tracks and the workshops and freight houses.

The business of the road, and the passage mel, at Port Clinton, roofing 180 feet. Cost,

tion of the present commodious merchandize mond. Files, wrenches, anvils, leads and depot. mond. Files, wrenches, anvils, leads and paints, etc., etc., in amount \$38,538 78.

Lumber—For yard and depot, fencing, sills and frames, wood sheds, etc., etc., amounting to \$13,041 67.

expenditure of the three departments. Should any further information be required, it can be readily furnished from office notes carefully recorded.

> I am, most respectfully, Your obedient servant, G. A. NICOLLS, Engineer and General Superintendent Philadelphia and Reading Railroad.

READING, Pa., December 1, 1846.

tion Department for the year.

d	Track,	100	\$82,172	18
g	Richmond wharves, .		32,756	
	Bridges,		89,789	
	Engine houses, depots, worl		DON'TH OLD THE	Holl
		ì	123,727	24
}-	Transportation of materials,		15,840	36
d	Vertical walling,		8,081	
	Iron Bridges,		15,439	
	Tunnel making,		6,700	
	Machinery, including turnin	g	9191111	
y	platforms, etc	0	38,538	78
e	Lumber,		13.641	
h	Sundries,		4,862	
d	Engineering Dep., salaries, o	f.	A substitution of	:5(1)
1	fice expenses, stationery, etc	c.	8,163	87
ê	Part and the second second second second	-	HARRY WY	-
0	Total,	. 1	\$439,113	82

Statement A-Business of the Philadelphia and Read-

ing Ra	ulroad, for the year ending Nov.	30, 1846.
	TONNAGE.	- Alle Service
Merchan Materials	asported, tons of 2240 lbs dize transported, tons 200 lbs. s for use of Road, including gravel, timber, rails, sills, cord	1,188,258 74,971
wood, stons of Total ton	stone, brick, iron, etc., etc., in 2000 lbs	101,471
of 2000	weight of passengers, in tons	1,515,473
date, to	nount of Coal transported to ons of 22,40 lbsnnage of road to date, tons of	2,693,975
)8	, 3,703,521
- 8	PASSENGER TRAVEL.	

П		, -, -,,
t	PASSENGER TRAVEL.	
,	Total number of passengers during the	Y 400
1	year Total number of miles travelled by the	88,641
	same	4,154,214
-	Equal to, in through passengers, over whole length of Road	45,155
-	ed, to date	551,953
	RECEIPTS OF ROAD.	
9.	From freight on Coal\$	
١	Merchandize	137,583 52
	" Passenger travel	141,749 07
	" Transportation of U.	
2	S. Mail, and other sources	9,713 84
ij	The state of the second of the	

Total receipts \$1,889,713 52 Statement B.—Gross Expense of Transportation De-partment, for the year ending, Nov. 30, 1846.

RUNNING ACCOUNT

1	RUMAING ACCOUNT.		
	Wages of engineers, firemen, conduc- ductors, brakemen, despatchers, time- keepers, oilers and turning screws Wood, 60,006‡ cords	\$105,628 166,643	27 12
	Loading and unloading wood, wharfage		-
	agents, &c	13,044	
,	Cutting wood	22,374	
	Oil, 45,6721 gallons	38,819	26
	Tallow and grease, 40,162 lbs		44
ì	Hauling across Schuylkill Bridge on	No. 200 Sec. 1854	400
	State Road, and expenses on ditto, in	CESTAL PRO	
,	Philadelphia		
L	Tolls paid State Road	28,643	50
¢	Coal left short of consignment and used	CS OF SHEET SHEET	120
	by Company	1,178	07
l	Renewals of articles on trains, lamps,		301
	ropes, etc		79
	Cotton waste	1 000	
7	Coal final for engines	1,877	
	Coal fuel for engines		
	Sundry goods lost or stolen, etc	1,496	68
į	and the state of t	\$391,086	53

EXTRAORDINARY EXPENSES.

Salaries of 3 agents on lateral railroads, apportioning and distributing Coal

	Mark Common		
WORKSHOP ACCOUNT.	(Salaskern	Engine gearing	How employed lst. 2d. 3d. Total.
Wages of all machanists, blacksmiths, carpenters, boiler-makers, moulders,	ENERGE STORY	Timber and lumber 3,470 00	0 Reading railroad,
time-keepers, and all mechanics and		Bituminous coal	
laborers	\$190,230 32 31,679 56	Copper, lead, tin, brass, &c 3,147 80	0 construct. dept. 18,876 21,385 40,26
Bar iron, steel, tools, and hardware Tires and axles	14,325 07	from for the nammer	
Pig metal, iron, lumber, hay, etc., for		Iron for foundry	
foundry	10,030 92 5,206 14	THE RESERVE AND ADDRESS OF THE PARTY OF THE	- Total R. R. 552,603 285,900 116,177 954,68
imber and lumber	7,607 08		
nthracite Coal	1,915 55		THE RESIDENCE OF THE PARTY OF T
ituminous Coal	1,201 03	351,194 13	Total
ther materials, charcoal, leather, etc.	3,919 80	Total expenses #651 976 9	Total No. tons hauled one mile, exclu-
undries	233 57	Statement D Number of Engines, Cars, and al	
beak of the second of the	\$200,359 81	other Running Machinery on the Road, Nov. 30, '4	6 down, exclusives of engine & tender 600
DEPOT ACCOUNT.		LOCOMOTIVE ENGINES.	Do. do. empty up do do 197. Do. do. pass'ger trains do do 37.
ages of hands	\$27,928 45	39 First Class Engines.	All tons of 2.000 lbs
watchmen at depots, wharves	5 457 03	24 Second do. do. (4 altered to first class, and 8 Third do. do. 1 sold since last Report.	
oal for water stations and pumping	0,101 00	1 Second do. do. (used only for kvanizing	Wages of mechanics \$27,001 8
water	1,145 15	timber, "Delaware."	Materials, iron, steel, brass, etc 15,926 8 Superintendence, tools, paints, oil, etc 4,302 9
aterials and work	1,924 26 750 56		MINDS IN A SECOND ROLL OF SECURITION OF SECOND ROLL
		Weight	Total No. of miles ran by all engines
many without and policially with the	\$37,206 37	. 1 Eight wheeled iron coal car4.7 11.0	owned by the company, from May,
SUPERINTENDENCE ACCOUN	T.	3,019 Four do. do243 50	1838, to November 30th, 1846 3,285,06
laries of all officers, clerks, and	Ø17 100 CF	1,042 Four do. wooden do22 4-65 497 Four do. do. do205 3-2	Total No. tons hauled 1 mile between same dates
agents, in department	\$17,128 85	497 Four do. do. do2-05 3-2	Statement G Cost of Repairs and Renewals of Coal
OFFICE ACCOUNT.		4,559* (Tons of 2240 lb.) Average, 2-33 4-729	Freight and Passenger Cars, for the year ending
vertising in, and subscription to,	179 35	FREIGHT CARS.	November 30th, 1846.
tionery and printing	2,274 57	5 Eight wheeled covered House, including 2 for	
rniture, rent, and all materials	769 74	use of Road; 47 do. do. open platform do. do. 17 do do.; 156 four do. covered house do. do. 7 do. do.; 274	
ndries	229 69	do. do. open Truck do. do. 206 do. do482.	Timber 7,550 14
	\$3,453 35	PASSENGER CARS.	Superintendence, tools, paint, oil, etc 7,026 10
Gross expenses of Department	B651 876 99	13 Eight wheeled Passenger Cars; 1 four do. do.	Total . 977,297 33
atement CNet Expenses of Transpo		do.; 3 eight do. Baggage Cars; 2 four do. do.—19. In addition to the above, the Company own: 34	No. gallons oil used by coal and freight
the year ending, November 30, 1846.	, , , , ,	eight wheeled Box Cars, extra Wood Tenders for	cars, during the year, including train
ransportation of 1,188,258 tons of coal		Coal Engines; 2 small Express Locomotives,	No. lbs. tallow. do do do 35,016
from coal region to Richmond, junc- tion with State road, and other points,	Witness !	"Ariel" and "Picayune," for use of officers and la- teral roads; 2 small Passenger Cars for use of main	COST OF REPAIRS AND RENEWAL OF PASSENGER
at 38-89 cents per ton	3462,113 54	and lateral roads; 11 Stationary Engines at Depots	CARS.
penses of transportation between unction with State road, and Com-		for driving machinery and pumping water, of 35, 14; 2 of 12; 2 of 8; 3 of 5; 1 of 6; and 1 of 4	Wages of mechanics
pany's Depot in Philadelphia, includ-		horse power, respectively: 2 portable Wood Cutting	Superintendence tools, paint, varnish, etc. 567 59
ng tolls paid State and City, hauling		Steam Engines for Reading and Richmond depots:	Total \$5,108 50
eross the Schuylkill Bridge, pay of gents, etc	39,544 86	50 Horses, chiefly for delivering Coal on Richmond Wharves, and in Philadelphia, expenses of which	No. gallons oil used by passenger cars
ansportation of 74,971 tons merchan-	-	are paid by consignees.	during the year
lize, between Pottsville, Reading, and other points, and junction with State		Condensed Table, showing Disposition and Employ-	Number pounds of tallow
Road, at 75-6 cents per ton	56,678 08	ment of the Engines belonging to the Company.	Coal per round trip of 188 miles, from Coal Region
ansportation of 45 155 through pas- engers, between Pottsville and junc-		How Employed. lat. 2d. 3d. Tot	to Tide Water and back with empty cars: transport-
ion with State road, at 44.4 cents per			ing an average load of 360 tons of coal each train. No. Des. Rate. Amt.
assenger	20,048 82	In daily use, in good order, on R. R. or lateral road in coal regions 29 15 6 50	Wages of engineer 2 day 250 \$500
perintendence, including salaries of all officers, clerks, and coal agents at	W 7	In workshops, under repair 7 3 1 11	do " Conductor 9 do 150 300
epots	17,617 63	In good order, ready for use 2 5 1 9	do. "Brakemen 5-9 do 1 05 6 30
penses of delivering coal and freight, and hauling cars for all purposes, at	victoria, so	Altering to more efficient engines. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Wood for fuel 14-92 cords 3 89 59 04
leading and other turnouts and sta-			Oil for engine, tender and lamps 495 gallons 90 446
ions, owing to an increase of busi-	193	Totals	Oil & tallow for cars 360 tons 1 5 40
ess beyond the facilities at first pro-	6,516 98	Of which were made by	Rep. engine & tender, 188 miles 5-1 9 59 do. of coal cars360 tons 6-05 21 78
iges of watchmen at wharves, depois	A Charles and	Baldwin & Co, Philadelphia32 Norris, Philadelphia	Renewals of sundries,
nd switchesice expenses, stationery, newspaper	5,798 96	Newcastle Manufacturing Company 8	ropes, lamps, etc360 do 06 2 16
dvertising, etc	4,671 40	Eastwick & Harrison	Supplying water 15 M galls 6 90 Asst. engines at Falls
ork and materials for depots and sta-	OF ATTENDED AND	Dotter & Co. Reading	Grade
ions aries of agents, etc., on lateral rail-	1,379 90	Ross Winans, Baltimore 1	Car couplers & greas- ers, time keep'rs, dis-
nads in coal region	2,641 38	Rebuilt by the Company	patchers and turn-
dry expenses, extra engines, &c	3,670 59		ing crews360 tons 11 5 40
Actual net expenses for year \$	620,682 14	79	Allowance for engines laying over, asst, en-
d for materials on hand, Nov. 30, viz		Statement F Work and Repairs of Locomotive En-	gines in snow storms
r, boiler, and sheet iron, steel	\$10,232 50 4,193 75	gines owned by the Philadelphia and Reading Rail- road Company, for the year ending Nov. 30, 1846.	etc
n Castings	3,075 00		able to this head 360 tons 34 1 22
	3 020 00 I	• 67 Wooden Coal Cars have been altered and	The state of the s
ig metal	1,950 00	nsed for Freight Cars.	\$140 01

# (COMPANY COMPANY COM	and a first of the first of the first of the second of the first of the second of the	British Albertain Child Control Control
Statement K-Hems of Cost in detail, of Running	Falls 2.996	there; and, indeed, the road is in eve
Trains, per daily trip of 92 miles.	Germantown 5,362	pared for doing an increased busines
Items of Cost. No. Des. Rate. Amt	Nicetown	year, without any material addition
	Trenton Railroad	nery.
do. " Conductors 1 day 150 150	Philadelphia:	The net earnings of the road for
Mood for fuel 2-45 cords 4 00 9 80	Richmond	\$1,037,795,21, and the balance, after p
Water used 21 M galls 6 15	Total	on loans, taxes, etc., was \$402,292,2
Oil for engine & tender 9 gall 90 81		which, if divided among the sharel
Oil for cars	Correspondents will oblige us by sending in their	give them upwards of 121 per cent. o
do and refitting cars. 804	communications by Tuesday morning at latest.	000 of stock issued—but it seems tha
Hands at depot 227		have decided-and wisely, too, we this
Sundries for train 87	PRINCIPAL CONTENTS.	this fund for the increase of machine
\$31.52	Reading Railroad Report (concluded)100	off the loans as they fall due, and the
Equal to, at 71 through passengers per train, 44.4	Editorial	liabilities; and in lieu of making div
cents per passenger.	American Railway matters	ney, it is proposed to issue new stock holders for the amount.
Statement L.—Rems of Cost, in detail, of Running	St. Lawrence and Atlantic Railway	
Freight Trains, per daily trip of 92 miles.	Central Railroad	It is peculiarly gratifying to us,
Items of Cost. No. Des. Rate. Amt. Wages of Engineer 1 day 2 50 \$2 50	Norris' Locomotive Steam Engine	others, we are sure, to see this noble
do. " Fireman 1 day 130 130	Boston Railronds	has done so much, within the past the cheapen fuel—thus assuming its property
do. " Conductor 1 day 1 35 1 35	20051000 200100 7007	see it showing what may be done on
do. " Brakeman 3 day 1 00 3 00 Wood for fuel 3.7 cords 3 89 14 39	AMERICAN RAILROAD JOURNAL.	perly constructed, and managed with
Oil for engine and tender 1.9 galls 90 171	Published by D. K. MINOR, 105 Chestnut St., Philadelphia.	ergy.
Oil and grease for cars65 tons 11 97		A comparison of the business of the
Repairs of engine and tender. 90 miles 6 4 50 do. " cars	Saturday, February 13, 1847.	will enable the candid observer to es
Depot hands, and other depot	INDEX FOR 1846.	accurately what will be the business
expenses	The Title Page and Index for last years' volume	and following years. It needs not the
Water used	were mailed with the Journal (No. 5) for Jan. 30th.	prophet to predict that the most sception
Goods lost, stolen or damag'd 56	Reading Railroad Report for 1846.	ject, will, at an early day, be compell
	We continue in this number, this important re-	ledge that this road is without a p
\$49 13	port, which was commenced in our last. It is, as	world. Its peculiar position, and the
Equal to 75-6 cents per ton. Statement M.—Cost of Hauling over State Road, for	last year, full and explicit. By refering to the re-	creasing consumption of coal, and m
the year ending, November 30, 1846.	port for 1845-see R.R.J. of March 14, 1846, page	iron on its line, will always insure it
	170-it will be seen that the gross receipts for trans-	business without a parallel. The g
do. do. City Corporation for Tolls 350 00		will, hereafter, be to increase its mea
Cost of Hauling across Schyl. Bridge 1,166 38 Wages of Brakemen over State Road 673 15	the estimate for 1846 was, \$1,725,000-being an in-	ance in a ratio with the demands
do. Agents in Broad Street 540 50	crease over the year 1845, of \$664,619; and by re-	early measures are taken to lay down
Repairs of Coal Cars over State Road 1,389 50	ferring to the report now published, it will be seen	It will not only have the business of i but it must also receive large accession
do. Passenger do. do. do 330 26	that the receipts for transportation during the past	from the interior of the State, and u
do. Freight do. do. do 675 70 Cost of Engine, Hauling Coal Cars, and	year are \$1,889,713, or \$164,713 more than the esti-	the lakes, by the way of the Erie and
assensing Tening for State Dood Fo.	mate of the managers, and \$829,332 greater than in	road.
	1845. It will also be seen that the ability of the	It was predicted by many, ten year
Sundry expenses during year, &c 331 62	company, for increasing its business hereafter, will	Reading railroad would never be con
\$39,544 86	be in proportion to the increased demand for coal, if the shareholders act judiciously. In 1845 they	others that, if completed, it would not
Statement N Points of Supply and Distribution of	had 64 leasematimes and 9104 same for sail 3	terest on its cost; yet we see that it
Coal on the Philadelphia and Reading Railroad,	now they have 72 locomotives—most of the new	pleted, and, though only in its infan
for the year ending, November 30, 1846.	ones are of the largest and most improved class—	more during the past year than six p
Amount of Coal received from various late- ral railroads in coal regions, TONS.	and 4559 coal cars-mostly of iron, averaging 4.7	enormous cost; and we shall see m
West Branch Railroad, at Schuylkill	tons each; and all the other improvements of the	see, when it has a third track, and wi
Haven	company are of an equally permanent character, and	that it will divide over eight per cent.
Mount Carbon and Port Carbon Railroad, at Port Carbon, from Valley and Mill	upon a plan equally extensive.	lions of dollars. This, it may by so
Creek Railroads	It appears that 1506 bars-or rails-equal to 235	another prediction; it is a prediction, h
Mount Carbon Railroad, at Mount Carbon 228,497		will become matter of history in a fe
Little Schuylkill Railroad, at Port Clinton 81,799	tracks during the past year-of which 1851 tons,	therefore again suggest to the rival con
Total	valued at \$50 a ton, have been relaid in side tracks,	are about to contend for the trade of
Where Delivered on Line of Reading Railroad.	and at depots along the line; and the balance, or 491	valley, that they come to an amicable a
Station or Turnout. Total.	tons disposed of at, or is worth, \$35 a ton-showing	charge a price which will give each
Ospelsohner 75	a depreciation on this amount of \$11,007,50, and	upon their investment. In such a co
Port Clinton 6	equal to four-tenths of a cent per ton on the entire	consuming community will, we are qu
Hamburg	tonnage of the road for the year.	fully sustain them. It is very evide
Mohrsville	Tion binges have, it seems, been innocuced with	crease of business in the Schuylkill
Rending 35,738	entire success, and the old wooden structures are	tributaries, will, in a very few years,
Ranmatown 1,854	being renewed with stone, as they require to be re-	ties beyond the present capacity of bo
9 000	built; and we do not hesitate to say that the day is	them, then, adopt such a course as
Pottstown	not distant, when amplaced coal will be used in-	themselves and liberal to the commun
Phonixville 23,853	stead of wood in their locomotives, as we learn that	
Valley Forge 1.480	a plan of engine has been devised by Mr. G. A.	Bridge over the Illing
Port Kennedy	Nicolls, the engineer of the road, which pro-	
Lime Kilms below Norristown 1,362	mises success. Great improvements have been made at the Rich-	viding for the erection of a bridge a
20.40	Great improvements have been made at the Kich-	I TO WO BE THE TOOK OF I COULD THE THE THE

ss the ensuing to the machi-

the year were paying interest -an amount eholders, would on the \$3,120,at the company ink-to reserve ery, and to pay bus reduce their ividends in mok to the share-

, and to many e work-which three years, to per position—to a railroad proh spirit and en-

e past two years estimate, pretty s of the current e foresight of a ical on the subelled to acknowparallel in the the rapidly inmanufacture of it an amount of great difficulty ans of performupon it, unless n a third track. its own region, ions of business ultimately from d Sunbury rail-

ars ago, that the empleted, and by ot pay a fair inhas been comncy, has earned per cent. on its more; we shall within ten years, t. on fifteen mil-some be said, is however, which ew years. We ompanies, which arrangement in and that they h a fair return course the coal uite sure, cheerent that the ins, require facilioth works. Let s will be just to anity.

ois. ssed a bill proacross the nar-Great improvements have been made at the Rich- rows at the foot of Peoria lake, at the city of Peoria. 2566 mond—or Delaware river—depot. A spacious new This bridge is to cross at the place where William 6,930 engine house and machine shop have been erected L. May now keeps a ferry, and will be of incalculable advantage to the city of Peoria, as well as to all the country surrounding it. Ample provision is made in the law to protect commerce, and insure a safe passage for every description of water craft.

Another Rally.

The last number of the Portland Advertiser says, that: "Another unexpectedly large and enthusiastic meeting last night, at the City Hall, placed the crowning consummation upon our adventure in the Lewiston and Waterville Railroad. Accidental circumstances retarded this result a few daysthough it was abundantly pledged and assured-and last evening, on the final report of the Subscription Committee, a warm and substantial interest displayed itself. With most encouraging applause, the subscription of Portland was carried up to one hundred thousand dollars, and a considerable sum beyond."

Anthracite Coal Market.

The "Ledger" states that the stock of coal east of New York is very small indeed, scarcely equal to the wants of consumers. In New York the supply, considering the soft, weather, is about sufficient. Dealers begin even to think of having some left over. They find that foreign coal, which is abundant, and more arriving as ballast in almost every ship from England, very seriously interferes with the sales of anthracite. The best English lump coals are sold in New York at \$7 per chaldron of 36 bushels, 2800 lbs. Anthracite is \$650 per ton of 2000 lbs. (cartage extra in both cases.) For the same weight, viz: 2000 lbs., the price of English coal is \$5. Pictou coal is very dull at 50 cents less. This disparity will readily lead to the conclusion that the foreign articles must seriously interfere.

In Philadelphia, and along the line of the Schuylkill, consumers are supplied chiefly as wanted, there being no accumulations. But the wharves at Richmond are being filled up with coal very fast, waiting the opening of the spring trade. The coal market was never perhaps in a more healthy condition.

Illinois Canal.

The Sangamo Journal, of the 14th instant, states that since this work has been under the new direction, 604,000 dollars have been expended upon it, and that the estimate for its completion exceeds, by a trifle, 707,000. The Journal says further: "The bondholders will be able to finish the work for about 1,300,000 dollars-being about 300,000 less than the original estimate; which it is believed will be effected by September of the present year. The canal has a surface of 60 feet and a depth of 6 feet. The Illinois river during a good part of the past season has had but little more than two feet water upon its bars-rendering its improvement (to realize all the advantages which we have anticipated from the canal) absolutely necessary."

Railroad Scales.

One of the singular results of the great improvements in transportation by Railroad and Canal, is the invention of Scales of enormous capacity. tise Scales "for weighing loaded cars in trains or They say :

"The levers of our scales are made of wrought iron, all the bearers and fulcrums are made of the best cast steel, laid on blocks of granite, extended across the pit, the upper part of the scale only being made of wood. E. Ellicott has made the largest Railroad Scale in the world, its extreme length was one hundred and twenty feet, capable of weighing ten loaded cars at a single draft. It was put on the Mine Hill and Schuylkill Haven Railroad. We are prepared to make scales of any size to weigh from five pounds to two hundred tons,"

American Railroad Matters.

The citizens of Waterville, Me., had another crowded rally on the 23d ult., in reference to their railroad. The town hall was filled to its utmost capacity, and nothing, it is said, could exceed the spirit and enthusiasm of all present. Eloquent and able speeches, of an animating and encouraging line is now in operation. nature were delivered, and the speakers were continually interrupted by the loudest bursts of applause. The books being opened, the citizens, most of whom ture, who have a prospect of a long session, if all be had subscribed very liberally before, stepped forward one after the other, and amidst shouts of approbation, made each a generous increase to their subscriptions. In the course of a very brief time, the sum of ten on the books. The whole actual subscription for says the Gardiner Blade, to about \$400,000—the ness for one day. sum with which the corporators have voted to break ground. There is no doubt that the work will be to Milton, has been subscribed. It is three miles commenced in the spring, as early as the snow will long, and expected to cost \$60,000.

The following table exhibits the healthy condition The aggregate income of the road, for the past 12 98. A meeting of the stockholders was to be h collected on freight forwarded from East Albany from road." January 1st, 1843, to December 31st, 1846, is as fol-

1843. 1844. 1845. 1846. \$167.087 12 \$223.572 \$268.450 06 \$342.940 13 The increase of 1844 over 1843 is \$56.484 88 44,878 06 74,490 07 The increase of 1845 over 1844 is..... The increase of 1846 over 1845 is..... By the above it will be seen that the average annual increase for the last three years is nearly 40 per cent., and for the year 1846 over 1843, upwards of 100 per cent.

The city council of St. Louis, Mo., has passed resolutions asking permission of the legislature to borrow half a million of dollars on the faith of the city of the Portland, Bath, and Kennebee railroad. to be loaned to a company to be formed for the pur-Ohio, with a view to a future connection with the Baltimore and Ohio railroad, or to some point on previous to the 22d ult., to the Kennebec and Portthe lakes. The resolutions are to be transmitted to each of the Governors of the States of Missouri, Illinois, Indiana and Ohio, with a request that they cinnati, Columbus, Pittsburg, Baltimore, Philadelphia and Boston.

with Davenport & Bridges, of Cambridgeport, Mass. for six first class passenger cars, three second class Directors in Brunswick, on Thursday of last week with the Central railroad by the same well accreditalso contracted with the Northern, Concord, and State.) The Directors determiend to go ahead im-Messrs. Ellicott & Abbott, of Philadelphia, adver- other railroads now constructing or increasing their mediately. power and means of transportation, for cars to the amount of \$125,000.

The Boston Post says, "the work turned out by their favor as skilful and faithful mechanics, whose vicinage to this city—the grand centre of railway movements-is an important advantage both to them and to railroad agents."

the great questions of Danvers and Maine railroad connecting lines and the conflicting "air lines" to New York, cannot be thus easily pushed aside. The Worcester railroad has recently issued a manifesto upon the subject of its branch to Milbury, or the germ of a line to Blackstone. Its Newton Falls

The petitions for new railroads and branches to existing lines pour into the Massachusetts Legisla-

fully and impartially heard.

The Albany Evening Journal is informed that Mr. Witt, the freight agent, sent off, one morning last week, 166 cars laden with flour, pork, etc., for thousand dollars was added to the amount already the east. This is the largest train ever sent off in one day during the winter. The amount to be colthe upper road now amounts, as far as we can learn, lected on them was \$3,101 93-a pretty good busi-

The stock for a branch from Old Colony railroad

A proposition is now seriously entertained of a lease, by Maine and Eastern railroads, of the Portsof the Boston and Albany road. The receipts are mouth and Portland at six per cent, which has upon freights shipped from the East Albany depot. rushed the stock of the latter in a twinkling up to months, exceeds one million of dollars. The amount on the 10th inst., "to decide if they will lease the

The earnings of the Michigan Central railroad in two months and six days, to December 1st, were \$99,550, or at the rate of \$540,834 per annum upon a cost of \$1,600,000. We learn that its cars are contracted for in its vicinage. The engineers have found the route from Kalamazoo to New Buffalo The increase of 1846 over 1843 is 175,853 01 so favorable that it has been determined to run the road in a straight line through,

The works on the Providence and Worcester mil road are rapidly progressing, and will be open for

trial by July next.

We are informed that the trustees of the Bath Academy have voted to subscribe \$2000 to the at

The subscription to the Kennebec and Portland pose of constructing a railroad from St. Louis to the railroad is going on fairly. The Brunswick paper states that \$46,000 had been subscribed in that town, land road. Brunswick and Topsham were a \$60,000. Freeport had come up to \$13,000, being linois, Indiana and Ohio, with a request that they 3,000 more than her assessment. In Vascalboro', be laid before the respective legislatures thereof; \$10,400 had been subscribed up to Friday last, and and also to each of the Mayors of Springfield, Cin- the returns not all in. This town was not drawn upon by the Directors in the apportionment of the \$500,000 to be raised on the route previous to the The Cheshire railroad has recently contracted commencement of the road. Sidney has also subscribed upwards of \$10,000. At a meeting of the and passenger baggage cars, and 100 freight cars to returns were received of \$490,000 of the \$500,000 be delivered in July. A contract has been made required on the route; but all the papers were not forward to them. It is known that the actual amount ed builders, for a like number of passenger and is much larger than this. (These subscriptions are freight cars to be delivered next fall. They have exclusive of over \$250,000 subscribed out of the

We find the following table in a Massachusett paper, and give place to it partly for the purpo indicating the regularity with which, after the dts-Messrs. Davenport & Bridges, speaks decidedly in tance of six miles is attained, the rate of fare is placed at two and a half cents per mile, as near as may be for all distances, and also to show the nan of the towns-not one of them known or distinguish ed for large population—through which this road is The Nashua and Lowell railroad company's pe- laid-a road, the stock of which is the highest with tition for authority to construct a railroad in New one exception, in the country. It is largely petron Hampshire, has been summarily disposed of; but ized of course, from the country beyond its interior

terminus. This road is is now petitioning for leave to establish a depot in Boston.

Table of Distances and Fares over the Boston and

-magazia 2000 ya	Fitchburg	Railroad.		
From Boston to	soft pales of	Miles.	Total.	Fares.
Somerville		2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	124
Porter's		1	3	124
West Cambridg			6	121
Waltham			10	20
Weston		3	13	30
Lincoln			17	40
Concord		3	20	50
South Acton		5	25	65
West Acton		9	27	65
Littleton		5	33	80
Groton		5	37	90
Shirley		3	40	1 00
Shirley Lunenberg		3	43	1 00
Leominster		2	45	1 15
Fitchburg			50	1 25
Usual time fr	om Fitchb	urg to Bos	ton, 21	hours.

St. Lawrence and Atlantic Railroad.

We are happy to learn, as we do, from good authority, that this road is getting on as well as is possible this winter. Our informant says that the progress is not so rapid as might be wished-in consequence of the snow, and light quality of work, on tons, which amount was almost entirely transported the "1st division"—but, adds the writer, "when over the Reading railroad, the canal of the Schuyl-Spring lets us get out once more, we will make up kill Navigation Company, (until within the past for lost time. Everything looks prosperous for our five years, furnishing the only means of sending road, as well as for the Montreal and Lachine road. coal to market from this region,) having been closed treal to Toronto, which will connect us with Boston, and improvement of its capacity, in order to an in-New York and Philadelphia, and it is in itself but creased business the ensuing year, and hereafter.a forerunner of a railroad from this city to the same Its present capacity is for 180 ton boats, formerly place, to connect with the Great Western railroad, for only 60 to 65 tons. Since the commencement of now in progress from Hamilton, west. We are the trade in 1820, when 365 tons was the amount Quebec, and from thence to Halifax; so that we shall soon be able to give you the news by the steam shall soon be able to give you the news by the steam-county alone, since 1825, when its trade commenced, ers in advance of everything, and by way of Que- has furnished the proportion of 8,629,746 tons more bec, Montreal, Toronto, Buffalo and Albany; some-than all other places added together. thing of a roundabout way, to be sure-but it will aswer every purpose.

to remain so, I hope, until Spring. The prospects 20,000 and under 30,000 tons; and 9 over 10,000 for a bridge over the St. Lawrence are, I am happy to say, very flattering; and there remains but little doubt in the minds of the many, that the bridge will above water level, and 35 below. There are alreabe constructed in spite of all obstacles. It is a gigantic project, and if successful, will be a lasting power, where but two or three years since all coal monument of the civil engineering of the 19th century. We have plenty of snow in this part of the world, and some cold weather; so cold that it would in hoisting and breaking coal, varying in capacity make some of the goodly inhabitants of your city from 10 to 90 horse power each, making, together, wonder If they were to experience it. The thermometer this morning was only at 10 degrees below zero, but has been down (in Quebec) as low as 20 to one horse power. degrees, I believe, this winter. The new Governor General of Canada, Lord Elgin, is to arrive here to- the anthracite coal trade of Pennsylvania, there are day. He is a firm friend of internal improvements, already completed of the former, 478 miles, includso it is understood, and will place no obstacle in the way of the many improvements that are at present and of the latter, 417 miles-forming together an in prospective."

Atlantic and St. Lawrence Railroad.

At a meeting of the members of the St. Lawrence and Atlantic Railroad Company, held in Montreal, on the 20th ult., a report was made by the Directors, from which we copy the following paragraph regarding the Lewiston and Waterville railroad en-

"The board has received the pleasing information of a charter having been granted by the State of Maine, for the construction of a railroad branch from the great artery at Lewiston, about 30 miles his side of Portland, to Waterville, on the Kennesec river; and the requisite stock for the organization of this company having been subscribed, the

work is to be commenced forthwith. A charter has also been granted for the extension of this road to Bangor, one of the largest and most thriving towns in the State, which will undoubtedly be commenced soon; and a further extension of the line is contemplated in the direction of New Brunswick. This will not only open an extensive market for western produce passing hence over the St Lawrence and Atlantic railroad, but it will give to Canada a direct and expeditious communication with the lower pro-

Anthracite Coal Trade.

We lately published from the Cumberland Civilian, some interesting statistics connected with the coal region, trade, etc., of Maryland. The Miners' Journal, of Pottsville, Pa., on Saturday week, comes to us nearly filled with reports, statistics, and general information concerning the great anthracite coal ties, prospects, etc. From these we gather, that the amount of anthracite coal sent to market during the year 1846, was, 2,343,992 tons, being an increase over the previous year of 320,940 tons; that of this amount, Schuylkill county alone furnished 1,295,928 We are to have a Magnetic Telegraph from Mon-nearly the entire season in undergoing enlargement

There are 110 operators in this region, of whom 14 produced and shipped over 30,000 tons each "The St. Lawrence river has closed over at length some of these as high as sixty odd thousand; 9 over tons and less than 20,000. The total number of collieries within this region are 142, of which 107 are dy 51 coal breaking machines in operation by steam was broken by hand, with the hammer.

There are 105 stationary steam engines employed an aggregate power of 2,921 horses, or equal to the labor of 14,505 men, estimating five men as equal

Of railroads and canals connected directly with ing an estimated amount of 60 miles under ground; aggregate cost of \$33,920,000. Of this amount the Reading railroad alone, with its cars and locomotives, are put down at \$11,000,000; and the Schuylkill canal, enlarged, \$5,675,000. The Reading railroad has upon it, and in connection with it, 71 locomotive engines, and 4,549 coal cars, of which 3,020 are iron, and 1,539 wooden cars; besides 482 cars for merchadize and use of the road, and 17 pas-

We learn with pleasure, that the amount of subscriptions to the Pennsylvania Central Railroad, neessary to secure the Charter, have now nearly or quite been made up, and the Committee, in whose charge are the lists, will be ready to make their report at an early day. We have believed, from the first broaching of this great scheme, that the advantages to be derived from the consummation of this project, must prove of incalculable benefit to the city of Philadelphia-and were our citizens to subscribe individually, or were the city itself, in its corporative capacity, to subscribe for double the amount now asked for-upon which, in the shape of dividends, they should not receive the first cent-still, in our judgment, both our city and our people would realize a benefit, indirectly, from the establishment of region of Pennsylvania, its trade, business, facili- this road, which would pay roundly for the outlay. This is our belief, and we hope to see the work pushed forward without unnecessary delay. The plan is immense, and we cannot but believe that the result will, in the end, prove proportionately profitable. In connection with this subject-we publish below-an article which we find in the New Orleans Bulletin, of the 28th ult., and which cannot fail to be read by the citizens of this State with deep interest. "As a business transaction," very correctly remarks a cotemporary, "this road is truly a mas-ter-stroke of policy." The "Bulletin" says:—

Among all the works of internal improvement that have been made or projected at the North, for the purpose of attracting the com-merce of the West, there is none more calculated to injure New Orleans, and to benefit

This work is to be a continuous Railroad, connecting Philadelphia and Pittsburg, and with the ulterior object of continuing it on to Cincinnati. The subscription we see is completed, and the work will now go on promptly and rapidly. In the discussions that have been had on the subject in Philadelphia, we observe that great stress is laid upon the probable quantity of travel over the road-this is of high importance to the stockholders, and will no doubt add greatly to their profits, but is a matter of indifference to us in New Orleans—it is the TRADE that it will divert from us, that we are to look to, and which should attract our attention.

We have hitherto been sleeping in New Orleans, on the subject of the Western trade -we are still sleeping, and in fancied security, are dreaming that our natural advantages are such, that nothing can divert the trade from this city—that God Almighty has done everything for us, and that we need not make any exertion for ourselves-it is a great, and if persevered in, will prove a fatal error, and we shall waken up some of these mornings and find the whole of that immense and rich commerce is flowing almost en masse, over the mountains direct to the Atlantic cities.

The natural advantages of New Orleans, are undoubtedly great, and particularly in the free navigation of the Mississippi and its tributaries, unburthened with tolls, to which the artificial works will always be subject; but then, these advantages are not altogether unincumbered—the navigation of the Ohio is interrupted by ice in the winter, and low water in summer. The produce is subject to

canals have made from the commerce which Orleans. version which is annually increasing and extending its sphere of operations. Cotton loaded boats from the Tennessee and Cumberland 334,969 kegs of lard; and the loss of even Mr. Norris has also introduced the manufacture rivers, and tobacco and flour laden ones from one-half of this item of pork in the trade of the St. Louis, are already to be seen stemming the current of the Ohio, with cargoes destined for New York, by the Ohio canal and the Lake route, or for Philadelphia, by the great Pennsylvania canal. These lakes and canals, however, are frozen in winter—frozen the trade of the West from our city, they will have a like effect on the other leading artivents a large additional quantity of produce from going by those routes, and causes it to supplies which we furnish to the West. This an open one, like the present) or by the early master-stroke of policy, for it gives her a Spring rise. Philadelphia, however, has determined to overcome this disadvantage, by Railroad, keeping up a constant intercourse the construction of a reliable to the construction of a reliable to the construction of the reliable to the construction of the reliable to the re ance to her store-houses of the various productions of the teeming West.

The produce that accumulates on the upper portion of the Ohio, during the low waters of summer and autumn, is shipped to New Orleans, by the first fall rise; and that which collects during the winter comes down on the opening of the navigation in the spring; but whilst our intercourse is thus suspended from the above causes, Philadelphia, by this new road, will be drawing these accumulations to her own warehouses. Even if this road was to terminate at Pittsburg, the injury to us will be great, but it will, as a matter of course, be extended to Cincinnati, and no doubt in a very few years be conti-nued through Indiana and Illinois to St. Louis; each mile it is extended, renders it deavoring to appropriate to themselves. more desirable and advantageous for every section of the country to be connected with it: when once it reaches Pittsburg, Cincinnati number of the New York Farmer and Mechanic Journal of June 1, 1839, although it has before apin direct communication with the Atlantic.

from the Atlantic ports, if destined for Europe. dollar per barrel; and the whole cost of de the working parts, and the introduction of the "com-We have already seen the immense diversion which the New York and Pennsylvania one-half at which it could be done via New amount of repairs is effected, combine so many de-

We received, last season, in New Orleans,

city, would be no trifling matter.

Though we have cited Pork (as being a come to New Orleans during the winter, (if movement on the part of Philadelphia is a Railroad, keeping up a constant intercourse thusiasm. The following certificate of the Directthe construction of a railroad that will, at all seasons and under all circumstances, seasons, afford a certain and cheap convey. and affording her great advantages over all her neighboring cities; we consider it the most important measure which that city has most important measure which that city has ever adopted to promote her permanent prosperity; and we have called attention to it that our citizens may be aware what is doing elsewhere calculated to affect the interests. The Drectors say:

"The Locomotive Steam Engine ordered and received from the manufactory of William Norris, Esq., of Philadelphia, U. S., called the "Philadelphia," has completely succeeded in the performance required at her trials, and on a temporary Railroad, in the contract of the contr ing elsewhere calculated to affect the interests of New Orleans so injuriously, and that they elevation of two per cent. and more, the "Philadelmay be prepared to suggest and adopt some phia" ran with all possible security and most extramay be prepared to suggest and adopt some measures of counteracting effect. We should recollect that it is not only one city, but that all the great commercial emporiums on the Atlantic are engaged in this struggle; and whilst they are all thus striving in zealous rivalry with each other, they are in fact unitedly working against New Orleans—as it is the natural and legitimate commerce of this city, which they are each separately endeavoring to appropriate to themselves.

phia" ran with all possible security and most extraordinary speed.

"The superior quality of these Engines, as well as the simplicity of their construction, the great facility of producing steam, their easy management, and particularly their economy in fuel, compared with the Engines built in England, etc., was the inducement of the Vienna and Raab Railroad Companies; and we do, with the greatest satisfaction, recommend them sintered to the single producing steam, their easy management, and particularly their economy in fuel, compared with the Engines built in England, etc., was the inducement of the Vienna and Raab Railroad Companies; and we do, with the greatest satisfaction, recommend them sintered to the single producing steam, their easy management, and particularly their economy in fuel, compared with the Engines built in England, etc., was the inducement of the Vienna and Raab Railroad Companies, which will require Engines.

(Signed)

John Baron de Sina, Ignas Baron de Sina, Ignas Baron de Doblinore, as well as the simplicity of these Engines, as well as the superior quality of these Engines, as well as the superior quality of these Engines, as well as the superior quality of these Engines, as well as the simplicity of their construction, the great factority of their construction, the great factority of their construction, the great factority of their construction, as the superior quality of these Engines, as well as the superior quality of these Engines as well as the superior quality of these Engines as well as the superior quality of

Norris' Locomotive Steam Engine.

It must be peculiarly gratifying-says the last valled combinations of skill and enterprize exhibit- ham and Gloucester Railway. The Journal says:

double freights, insurance and shipping ninnati, would not exceed half a cent per simplicity, and consequent small amount of repairs, charges, if to be sent coastwise, from New pound, which, (as it is paid only on the ac and the facility with which such repairs may be Orleans, and increased freight above the rates tual weight of the meat) would be only one made, together with the most perfect adjustment of sirable advantages, that we are almost at a loss which most to admire, their superiority of construc-

> of locomotives of eight wheels, having the adhesion of four, on a rew and improved plan, with the weight on the four equalized; (of all the various dimensions, classes, etc.) of a superior description, and which are attracting much attention.

> In addition to the numerous orders which Mr. N. has filled for almost every State in the Union, he has furnished engines for England, Prussia, Austria, and other countries in Europe, all of which have given the highest satisfaction, and, judging from the numerous commendatory letters which these have elicited, from the agents of these governments, (some of which we have had the pleasure of perusing) they have been received even with enors of the Vienna and Raab Railroad Company, Austria, as translated from the German, we give as

IGNAS BARON DE DOBLITOFI Directors of the Vienna and Raab Railroad Co."

The following extract from the London Mining will, of course, lose no time in placing herself to every friend of his country, to observe the rapid peared, will be read with interest. It refers to the progress of the mechanic arts, and the almost unri- trial engine sent over by Mr. N., for the Birming-

in direct communication with the Atlantic.

One, among other obvious results, of a railroad from Cincinnati to Philadelphia, would
be to deprive New Orleans of nearly the
whole of the immenae pork and lard trade,
for, with this railroad existing, the hogs, after being killed and dressed in Cincinnati,
where they can be cured at the same expense,
and are at market by a land route of about
500 miles, instead of a double voyage by water of 3000 miles, saving double freights, double insurance and charges; the transportation is also saved on the barrel, salt and
brine, the weight of which is at least one
half that of the meat; the article is at market in November and December, instead of
April or May, whether it is intended for
home consumption in the Atlantic ports (to
which the largest portion of the pork is shiped from N. Orleans) or in foreign markets.

The freight by this railroad route to Cin
The freight part the freight and crease and increasing reputation,

Boston Railroads.

A writer in a late number of the New York Comthe Boston railroads. It will be seen that all the has not exceeded in its amount of traffic even the most sanguine anticipations of its friends. The fact that these roads carried in 1845 a number of passengers three times as large as the population of Massachusetts, will be quite surprising to those who have never seen the statistics on this subject. The statements of the writer are another proof of the well known fact that railroads create every where more travel than they at first accommodate. The remarks on the comparative advantages of railway and water conveyance are commended to the attention of such as are moved by the matter of steamboat competi-

Boston, Jan. 15, 1847.

In my last some account was given of the line of railroad between this city and Albany. It is now proposed to give some further sta tistics which go to show how far the actual result of the traffic on the railroads in this vicinity has exceeded the original estimates formed by the projectors in their commencement. Taking the Lowell, Worcester and Providence railroads, the freight business of 1845 exceeded the original estimates from three to five times, and the passenger business from six to nine times. These roads, together with the Eastern railroad, were all in operation in 1840, the latter having been opened in autumn of 1839. Their aggregate length is 160 miles. Their total aggregate receipts truly been "an epoch," giving new vigor to

In 1840 \$900,857

The average receipts for the year 1845 were about \$9,500 per mile of road.

It appears that the increase in the traffic has been greater on passengers, as compared with the original estimates, than on freight trivances, quickly cleared away, notwith. London and N This may be said of railroads generally.—standing the immense masses in which it path's Journal. When first opened for general traffic, it was had collected, and the trains ran when every was soon discovered (in the progress of im-coals has been greater than the supply, and provements in their construction, and in loco the railway has been the only means for its the erection of gigantic weirs and locks. provements in their construction, and in loco the railway has been the only means for its the erection of gigantic weirs and locks. motives,) that a higher speed would be attained; and trains of passenger cars now existence, York and other places must have ley to Worcester, a distance of seventeen move on most of the roads in this vicinity suffered severely from want of this indispenhour, exclusive of stops to take in wood and water, and to receive and discharge passen-sadly put about by being unexpectedly stuck the erection of weirs within the county of gers; or the speed, including all stops, may fast in the snow. The train became fairly be taken at 22 to 28 miles per hour. On imbedded, and could neither proceed nor re well constructed roads it has been shown by experience that a speed of 30 miles per hour (including two stops) is a pleasant and agree-others, more bold and less inclined to conable motion, and may be maintained without form to circumstances. able motion, and may be maintained without form to circumstances, came to the resolution 200,000 tons of marl, rock, gravel and soil, any extraordinary expense.

increase in the resistance of the water, equal life or limbs, we believe, has been sustained at least to the square of the velocity. That by this heavy fall of snow. is, a boat moving 20 miles per hour, requires of steamboats. A man will run through the lel since the opening of the rail way. ways for speed

ance of passengers, or whatever requires high tion .- Manchester paper. speed, with their capacity for every kind of transportation during the winter, (when riimportance to our social, as well as our commercial interest, is obvious to the least reflec-

This city has largely reaped the benefits of this improvement, as also the country thro' which the railroads pass. To them it has every species of industry.

Effects of the Snow Storm on Railways .-The York and Newcastle, the Scarborough, about level with the tops of the carriages. This of course put a damper on steam power, but only for a time, the snow being by conford in the case, safety, certainty and speed provisions, and his cottage was occupied to tion, some curious relics of ancient coins have of transit.

It can no longer be doubted by any man snow storm came unexpectedly, and was unwho will, examine the subject with candor, usually heavy, and therefore the inconvemercial Advertiser, has the following in relation to that for all transportation requiring celerity nience attending it will perhaps not be felt the Boston railroads. It will be seen that all the and certainty, the railway is superior to the again. At all events it has been demonstrated railroads radiating from Boston, there is none which best water conveyance. With a moderate that railways are better enabled to meet it velocity, a vessel is easily propelled through than the old mode of conveyance. No acciwater; but to increase the speed, produces an dent of any importance, that is, no injury to

A Railway Train without a Passenger. at least four times the power that would propel it 10 miles per hour. Hence the great day last, to which there is probably no paralinerease of power required to raise the speed air with very little resistance; but how fast train which leaves the Preston station at would be run through water? The rail car half-past four o'ctock in the afternoon took its moves through air, having no other difference departure without a single passenger. Conexcept the friction, which requires one pound sidering that the traffic from Preston is geneto move 270 pounds. A little reflection will rally so extensive, it is rather singular that convince any sensible man that steamboats such an event should have happened. The can never compete with good lines of rail-different officers present when the train left, declared their belief that a similar circum-Viewing their superiority for the convey- stance had never before happened at that sta-

New Safety Luggage Vans. - The Eastern Union has just received from Lancashire vers in this climate are closed) their great a supply of luggage vans, constructed on a principle that combines safety to the train, with accommodation for the luggage. The van is rather longer than a second-class carriage, considerably higher, and so firmly tied by iron-work, as to be capable of resisting a very powerful shock. The fore-breast is made of iron, the sides are surrounded by iron stags, the buffers are so strong, and the screws so powerful and elastic, that one would think they could not be snapped in a Showing an increase in five years of 72 and the Whitby and Pickering Railways collision. The interior of the van is divided per cent. or an annual average increase of were on Sunday, Monday and Tuesday last stopped up with snow It covered the rails stopped up with snow It covered t in some parts to the height of six feet, being in the end next the train, where he can use a power-break, and, at the same time, see a considerable distance before the engine It is said that similar vans are to be placed on the London and North Western line.-Hera-

Improvement of the Severn.-The River not supposed that they would reach a greater other mode of conveyance was effectually Severn, which is subject to alternate foods speed than 12 to 15 miles per hour; but it stopped. Lately, the demand in York for and droughts, has, during the last two years, with a running speed of 25 to 35 miles per sable material. We are told that the passen- river is being deepened by dredging and any extraordinary expense.

It appears from official documents that the introduction in the year 1845 about 2,400,000 passengers, which is nearly three times the population of the year 1845 about 2,400,000 passengers, which is nearly three times the population of the year 1845 about 2,400,000 passengers, which is nearly three times the population of the year 1845 about 2,400,000 passengers, which is nearly three times the population of the year population the state. This great number of passengers snow driven visiters were just about as many entire foundation of one of the piers of the is the result of the great facility the road of customers as he could accommodate with old bridge, and in the course of this opera-

French Coal Mines .- The Report of the Engineer appointed by the administration of roads and bridges in France, states, that the country is in the third rank as regards the production of coal; England and Belgium being the first and second. The production of England annually is 23,500,000; of Belgium, 4,500,000; of France, 3,783,000; and of the Zollverien, 3,000,000 tons. France contains 425 coal mines, on a surface of about 450,000 hectares; of these 173 are not worked. These mines employed in 1844 nearly 30,000 laborers. The amount of coal raised being insufficient for the consumption of the kingdom, about 1,500,000 tons are imported from England and Belgium. The number of steam engines of all sorts employed in France in 1844 was 4,310, of 65,950 horse power, about one-twelfth of the force employed in England. The quantity of iron consumed in the same year, was, in France, 480,000 tons; four times that used in Belgium, which was 120,000 tons; but only one-third of the English consumption, which was 1,200,000 tons; the amount consumed by the Zollverien in 1844 being 800,000 tons.

Railways and Fresh Herrings .- Herrings caught at Brighton in the morning, are sold in the Midland counties in the afternoon. This arises from the facilities of transit by the London and Brighton and London and North Western Railway, "and such has been the effect in the reduction of prices," says a Birmingham correspondent, "that the finest quality can now be had at the rate of from 20 to 25 for a shilling, being a reduc-tion of nearly 200 per cent."

VALUABLE PROPERTY ON THE MILL Dam For Sale. A lot of land on Gravelly Point, so called, on the Mill Dam, in Roxbury, fronting on and east of Parker street, containing 68,497 square feet, with the following buildings

Main brick building, 120 feet long, by 46 ft wide, two stories high. A machine shop, 47x43 feet, with large engine, face, screw, and other lathes, suitable

to do any kind of work.

Pattern shop, 35x32 fe, with lathes, work benches Work shop, 86x35 feet, on the same floor with the

pattern shop.

Forge shop, 118 feet long by 44 feet wide on the ground floor, with two large water wheels, each 16 feet long, 9 ft diameter, with all the gearing, shafts, drums, pulleys, &c., large and small trip hammers, turnaces, forges, rolling mill, with large balance wheel and a large blowing apparatus for the foundry. Foundry, at end of main brick building, 60x45½ peet two stories high, with a shed part 45½x20 feet,

containing a large air furnace, cupola, crane and

Store house—a range of buildings for storage, etc., 200 feet long by 20 wide.

Locomotive shop, adjoining main building, fronting on Parker street, 54x25 feet.

Also—A lot of land on the canal, west side of the canal of the ca Parker st., containing 6000 feet, with the following

buildings thereon standing:

Boiler house 50 feet long by 30 feet wide, two sto-

ries.

Blacksmith shop, 49 feet long by 20 feet wide.

For terms, apply to HENRY ANDREWS, 48

State st., or to CURTIS, LEAVENS & CO., 106

State st., Boston, or to A. & G. RALSTON & Co., 144

All WAY IRON.—THE BEST QUALITY

All WAY IRON.—THE BEST QUALITY

of English Heavy H Rails—60 lbs. to the yard

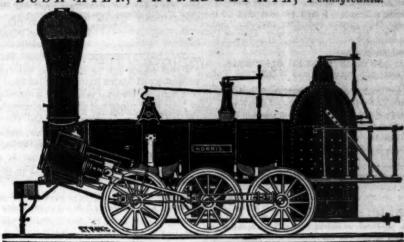
now in store, landing from the vessel, and on ship
board to arrive, for sale on most favorable terms by

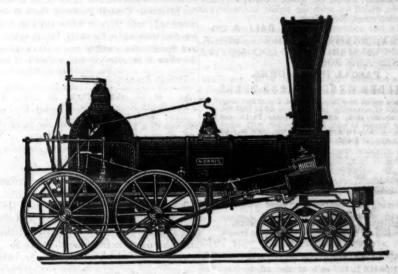
DAVIS, BROOKS & CO.,

Jan. 2. [Itf] 68 Broad St., New York.

LOCOMOTIVE

BUSH HILL, PHILADELPHIA, Pennsylvania.





MANUFACTURE their Patent 6Wheel Combined and 8 Wheel Locomotives of the following descriptions tions, viz:

Class	1,	15 inch	nes Dian	neter of	Cylinder,	X	20	inches	Strok
66	2,	14	44	66	44		24	- 66	66
66	3,	144	6	66	. 66	X	20	- 66	44
66	4.	121	66	66	66	X	20	44	46
66	5,	111	66	66	"	X	20	- 66	
. 6	6,	101	"	46	"	X	18	4	66

With Wheels of any dimensions, with their Patent Arrangement for Variable Expansion. Castings of all kinds made to order: and they call attention to their Chilled Wheels, for the Trucks of Locomovives, Tenders and Cars.

NORRIS, BROTHERS.

THE NEWCASTLE MANUFACTURING KEARNEY FRIE BRICK. F. W. BRINLEY, Manufacturer, Perth Amboy, THE NEWCASTLE MANUFACTURING
Company continue to furnish at the Works, situated in the town of Newcastle, Del., Locomotive and other steam engines, Jack screws, Wrought iron work and Brass and Iron castings, of all kinds connected with Steamboats, Railroads, etc.; Mill Gearing of every description; Cast wheels (chilled) of any pattern and size, with Axles fitted, also with wrought tires, Springs, Boxes and bolts for Cars; Driving and other wheels for Locomotives.

The works being on an extensive scale, all orders will be executed with promptness and despatch. Communications addressed to Mr. William H. Dobbs, Superintendent, will meet with immediate attention.

ANDREW C. GRAY, a45

President of the Newcastle Manuf. Co.

ANDREW C. GRAY, a45

EARNEY FRIE BRICK. F. W.
BRINLEY, Manufacturer, Perth Amboy,
SRINLEY, Manufacturer, Perth Amboy,
N. J. Guaranteed equal to any, either domestic or foreign. Any shape or size made to order. Terms, work and Brass and to order. Terms, work and to order to order to order. Terms, work and to order to order. Terms, work and to order to order. Terms, work and to order to ord

attention.

ANDREW C. GRAI.

a45 President of the Newcastle Manuf. Co. RAILROAD IRON AND LOCOMOTIVE
ATTERIST TO THE ARCHARGE MAINTENANCE

A. & G. RALSTON

Mar. 20tf

4 South Front St., Philadelphia.

mond, Va.
J. Patton, Jr.
Colwell & Co.
J. M. L. & W. H. Scovill, Waterbury, Con.
N. E. Screw Co.
Eagle Screw Co.
William Parker, Supt. Bost. and Wore. R. R.
New Jersey Malleable Iron Co., Newark N. J.
Gardiner, Harrison & Co. Newark, N. J.
25,000 to 30,000 made weekly.

TO LOCOMOTIVE AND MARINE ENgine Boiler Builders. Pascal Iron Works, Thiladelphia. Welded Wrought Iron Fluce, suitable for Locomotives, Marine and other Steam Engines for Locomotive and Car Azles—drawn to any required grine Boilers, from 2 to 5 inches in diameter. Also, pattern from Bloom Iron only. Address.

Pipes for Gas, Steam and other purposes; extra strong Tube for Hydraulic Presses; Hollow Pistons for Pumps of Steam Engines, etc. Manufacture! and for sale by

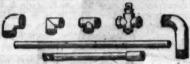
MORRIS TASKER & MORRIS,
Wart-tonse S. E., corner 3d and Walnus Sts., Phila delphia.

NOTICE TO RAILROAD GONTRACTORS.

Papers The Unstribute water was the Boston and Maine Railroad, No. 60 State street, olive, or and lead, imparts neither color, oxide of taste, being formed of strongly rived a sheet iron, and evenly lined on the inside with hydraulic cement. While in the process of laying, it has a thick covering externally of the same—thus forming nature's own conduit of stone. The iron being thoroughly enclosed on both sides with teement, precludes the possibility of rust or decay, and renders the pipe truly indestructible. The prices are less office of the Michigan Central Railroad Company, than those of iron or lead. We also manufacture Basons and D. Traps, for Water Closets, on a new principle, which we wish the public to examine at the Michigan Central Railroad, from Kalamasou, and will be capable of turning out 30 to the Michigan Central Railroad, from Kalamasou, and will be capable of turning out 30 to the Michigan Central Railroad, from Kalamasou, and will be capable of turning out 30 to bundred thousand cubic yards of earth work. Plans J. BALL & CO.

WELDED WROUGHT IRON TUBES

From 4 inches to \$\frac{1}{2}\$ in calibre and \$2\$ to \$12\$ feet long, capable of sustaining pressure from 400 to \$2500 lbs. per square inch, with Stop Cocks, \$T^*\$. Le, and other fixtures to suit, fitting together, with acrew joints, auitable for STEAM, WATER, GAS, and for LOCOMOTIVE and other STEAM BOILER FLUES.



Manufactured and for sale by MORRIS, TASKER & MORRIS. archouse S. E. Corner of Third & Walnut Street PHILADELPHIA.

BACK VOLUMES OF THE RAILROAD
JOURNAL for sale at the office, No. 105

TO RAILROAD COMPANIES AND BUILDand Specifications will be ready for examination at the office of the subscriber after February 1st.

PASCAL IRON WORKS.

Detroit, January 5, 1847.

1. W. BROOKS, Supt. & Eng.
Detroit, January 5, 1847.

513

A & G. RALSTON & CO., NO. 4
South Front St., Philadelphia, Pa.
Have now on hand, for sale, Railroad Iron, viz:
180 tons 2 x 1 inch Flat Punched Rails, 20 ft. long.

25 " 2 x 1 " Flange Iron Rails.

75 " 1 x 1 " Flat Punched Bars for Drafts in Mines. A full assortment of Railroad Spikes, Boat and Ship Spikes. They are prepared to execute orders for every description of Railroad Iron

Cute orders for every description of Railroad Iron and Fixtures.

117

RAILROAD IRON.—THE NEW JERSEY bearing to make Railroad Bars, and are ready to take orders or make contracts for Rails, deliverable after the first of December next. Apply to FULLER & BROWN, Agent, No. 139 Greenwich, corner of Cedar street.

September 18, 1846.

10139

Valley, Have now a supply, and respectfully solicit the patronage of persons engaged in the making of Machinery, tor which purpose the above makes of Pig Iron are particularly adapted.

They are also sole Agents for Wa'son's celebrated Fire Bricks and prepared Kaolin or Fire Clay orders for which are promptly supplied.

SAM'L. KIMBER, & CO., 59 North Wharves, Jan. 14, 1846. [1y4] Philadelphia, Pa.

Proposals will be received by the Subscriber, at the office of the Michigan Central Railroad Company, at Detroit, until the 16th day of February next, for Grading the first thirteen miles of the Extension of the Michigan Central Railroad, from Kalamazoo, westward; said thirteen miles contains about four hundred thousand cubic yards of earth work. Plans best imported. best imported.

PIG IRON.—They are also receiving weekly 150 to 200 tons of No. 1 Phoenix Foundry Iron, well adapted for light castings

l for light eastings.

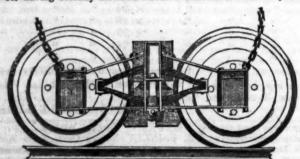
REEVES, BUCK & CO,

45 North Water St., Philadelphia,
or by their Agent, ROBT. NICHOLS,

79 Water St., New York 28tf

THE SUBSCRIBERS, AGENTS FOR the sale of Codorus,

Glendon Spring Mil and Valley, Pig Iron.



York, expressly for the manufacture of the newly patented and highly approved Railroad Truck of Mr. Fowler M. Ray, is ready to receive orders for building the same, from Railroad Companies and Car Builders in the United States, and elsewhere.

The above Truck has now been in use from one to two years on several roads a sufficient length of time to test its aurability, and other good qualities, and to satisfy those who have used it, as may be seen by reference to the certificates which follow this notice.

tificates which follow this notice.

There have been several improvements lately introduced upon the Truck, such as additional springs in the bolsser of passenger cars, making them delightful riding cam—adapting it to tenders, trucks forward of the locomotive, and freight cars, which, with its original good qualities, make it in all respects the most desirable truck now offered to the public.

Orders for the above, will, for the present, be executed at the New York Screw Mill, corner 33d street and 3d avenue, (late P. Cooper's rolling mills) and at the Steam Engine Shop of T. F. Secor & Co., foot of 9th street, East

AY'S EQALIZING RAILWAY TRUCK.--THE SUBSCRIber having recently formed a business connection in the City of New
supervision of Mr. Ray himself.
Several sets of trucks containing the latest improvements have recently
been turned out for the New York and Erie railroad, and the New Jersey

Transportation company, which may be seen upon said roads.

The patronage of Railroad Companies and Car Builders is respectfully solicited.

New York, May 4, 1846.

W. H. CALKINS, and Others.

To all whom it may concern:—This is to certify that the New Haven, Hartford and Springfield railroad co., have had in use six sets of F. M. Ray's patent trucks for the last 20 months, during which time it appears to me, they

have proved to be the bes and most economical truck now in use.

[Signed,] William Ros, Sup't of Power.

I certify that F. M. Ray's Patent Equalizing Railroad Truck has been in use on the Philadelphia and Reading railroad for some time past, under a passenger car.

passenger car.

For simplicity of construction, economy in cost, lightness of material, and extreme ease of motion, I consider it the best truck we have ever used. Its peculiar make also renders it less liable to be thrown off the track, when passing over any obstruction. We intend using it extensively under the passenger and freight cars of the above road.

Reading, Pa., October 6, 1845. [Signed,] G. A. Nicoll,
Supt Transportation, etc., Philadelphia and Reading Railroad.

To all whom it may concern:—This is to certify that the N. Jersey Railroad and Transportation company have used Fowler M. Ray's Truck for the last seven months, during which time it has operated to our entire satisfaction. I have no hesitation in saying that it is the simplest and most economical truck now in use.

[Signed,] T. L. Smith,

have no hesitation in saying that it is the simplest and most economical ruck now in use.

Signed, T. L. Smith,

Jersey City, November 4, 1845.

N. Jersey Railroad and Transp. Co.

This is to certify that F. M. Ray's Patent Equalizing Railroad Truck has seen in use on the Long Island railroad for the last year, under a freight car.

For simplicity of construction, economy in cost, lightness of material and ase of motion, I consider it equal to any truck we have in use.

Long Island Railroad Depot,

Jamaica November 12, 1845.

[Signed,] John Leach,

Jamaica November 12, 1845.



RICH & CO'S IMPROV-MANDER SAFES.

Warranted free from damp

as well as fireand thief

Particular attention is invit-ed to the following certificates, which speak for themselves:

TEST No. 10. Certificate from Mr. Silas C. Field, of Vicksburgh

Mississippi.
On the morning of the 14th ult., the store owner On the morning of the 14th ult., the store owned and occupied by me in this city, was, with its contents, entirely consumed by fire. My stock of goods consisted of oil, rosin, lard, pork, sugar, molasses, iquors, and other articles of a combustible nature, in the midst of which was one of Rich's Improved Patent Salamander Safes, which I purchased last October of Mr. Isaac Bridge, New Orleans, and which contained my books and papers. This safe was red hot, and did not cool sufficiently to be opened until 16 hours after it was taken from the ruins. At the expiration of that time it was unlocked, when even discolored. I deem this test sufficient to show that the high reputation enjoyed by Rich's Safes is well merited.

S. C. FIELD.

TEST No. 11.—Certificate.

By the fire which occurred in this village on the 27th July last, our Law Office, together with many other buildings was destroyed—we had in our office one of Rich's Improved Patent Salamander Safes, one of Rich's Improved Patent Salamander Safes, which, though heated red hot, preserved, without being the least damaged, many papers valuable to our clients—the envelopes of a tew papers being slightly scorched. Some twenty-tour hours after the fire, the Safe was removed, and so hot was it, that several hours were required for it to cool off. Our office was in the second story of a large brick building, all the wood used in construction of said house being pitch pine. While the Safe was red hot, one of the walls tumbled in, and so injured the lock that it was necessary to break the door open. From this test, we feel no hesitancy in recommending "Rich's Patent Salamander Safe" as entirely fire proof.

Marion, Ala., Sept. 15th, 1846.

Marion, Ala., Sept. 15th, 1846.

Still other Tests in the Great Fire of July 19, 1845.

The undersigned purchased of A. S. Martin, No. 1384 Water street, one of Rich's Improved Patent Salamander Safes, which was in our store, No. 54 Exchange place. The store was entirely consumed Exchange place. The store was entirely consumed in the great conflagration on the morning of the 19th in the great conflagration on the morning of the 19th inst. The safe was taken from the ruins 52 hours after, and on opening it, the books and papers were found entirely uninjured by fire, and only slightly wet—the leather on some of the books was preched by the extreme heat. RICHARDS & CHONKHITE.

Benton, Miss., December 27, 1845.
One of Rich's Improved Salamander Safes, which purchased on the 2d of June last of A. S. Marvin, 138; Water street, agent for the manufacturer, was exposed to the most intense heat during the late No. 46 Broad street, was entirely consumed; the safe fell from the 2d story, about 15 feet, into the celar, and remained there 14 nours, and when found, I am told, and from its appearance afterwards, should judge that it had been heated to a red heat. opening it, the books and papers were found not to have been touched by fire. I deem this ordeal sufficient to confirm fully the reputation that Rich's safe has already obtained for preserving its contents against all hazards. (Signed.)

WM. BLOODGOOD.

New York, 21st July, 1845.

fifty merchants, cashiers, brokers, and officers of courts and counties, who have Rich's Safe's in use.

The above safes are finished in the neatest manuer, and can be made to order at short notice, of any size and pattern, and fitted to contain plate, jewelry, etc. Prices from \$50 to \$500 each. For sale by

A. S. MARVIN, General Agent,

1384 Water st., N. Y.

Also by Isaac Bridge 76 Magazine street, New

Also by Lewis M Hatch, 120 Meeting street Charleston, S. C.

FRENCH AND BAIRD'S PATENT SPARK ARRESTER

O THOSE INTERESTED IN A Railroads, Railroad Directors and Managers are respectfully invited to examine an improved SPARK ARRESTER, recently patented by the undersigned.

the undersigned.
Our improved Spark Arresters have been extensively used during the last year on both passenger and freight engines, and have been brought to such a state of perfection that no annoyance from sparks or dust from the chimney of engines on which they are used is experienced.

These Arresters are constructed on an entirely different wrinciple from an entirely different wrinciple from an

These Arresters are constructed on an entirely different principle from any heretofore offered to the public. The form is such that a rotary motion is imparted to the heated air, smoke and sparks passing through the chimney, and by the centrifugal force thus acquired by the sparks and dust they are separated from the smoke and steam, and thrown into an outer chamber of the chimney through openings near its top, from whence they fall by their own gravity to the bottom of this chamber; the smoke and steam passing off at the top of the chimney, through a capacious and unobstructed passage, thus arresting the sparks without impairing the power of the engine by diminishing the draught or activity of the fire in the furnace.

These chimneys and arresters are simple, durable and neat in appearance.

passage, thus arresting the sparks without impairing the power of the engine by diminishing the draught or activity of the fire in the furnace.

These chimneys and arresters are simple, durable and neat in appearance. They are now in use on the following roads, to the managers and other officers of which we are at liberty to refer those who may desire to purchase or obtain further information in regard to their merits:

R. L. Stevens, President Camden and Amboy Railroad Company; Richard Peters, Superintendant Georgia Railroad, Augusta, Ga.; G. A. Nicolls, Superintendant Philadelphia, Reading and Pottsville Railroad, Reading, Pa.; W. E. Morris, President Philadelphia, Germantown and Norristown Railroad Company, Philadelphia; E. B. Dudley, President W. and R. Railroad Company, Wilmington, N. C.; Col. James Gadsden, President S. C. and C. Railroad Company, Charleston, S. C.; W. C. Walker, Agent Vicksburgh and Jackson Railroad, Vicksburgh, Miss.; R. S. Van Rensselaer, Engineer and Sup't Hartford and New Haven Railroad; W. R. M'Kee, Sup't Lexington and Ohio Railroad, Lexington, Ky.; T. L. Smith, Sup't New Jersey Railroad Trans. Co.; J. Elliott, Sup't Motive Power Philadelphia and Wilmington Railroad, Wilmington, Del.; J. O. Sterns, Sup't Elizabethtown and Somerville Railroad; R. R. Cuyler, President Central Railroad Company, Savannah, Ga.; J. D. Gray, Sup't Macon Railroad, Macon, Ga.; J. H. Cleveland, Sup't Southern Railroad, Monroe, Mich.; M. F. Chittenden, Sup't M. P. Central Railroad, Detroit, Mich.; G. B. Fisk, President Long Island Railroad, Brooklyn.

Orders for these Chimneys and Arresters, addressed to the subscribers, care Messrs. Baldwin & Whitney, of this city or to Hinckly & Drury, Boston, will be promptly executed. FRENCH & BAIRD.

N. B.—The subscribers will dispose of single rights, or rights for one or more States, on reasonable terms.

** The letters in the figures refer to the article given in the Journal of June, 1844.

DATENT HAMMERED RAILROAD, SHIF DATENT RAILROAD, SHIP AND BOAT

PATENT HAMMERED RAILROAD, SHIF and Boat Spikes. The Albany Iron and Nail Works have always on hand, of their own manufacture, a large assortment of Railroad, Ship and Boat Spikes, from 2 to 12 inches in length, and of any form of head. From the excellence of the material always used in their manufacture, and their very general use for railroads and other purposes in this country, the manufacturers have no hesitation in warranting them fully equal to the best spikes in market, both as to quality and appearance. All orders addressed to the subscriber at the works, will be promptly executed. JOHN F. WINSLOW, Agent.

Albany Iron and Nail Works, Troy, N. Y.
The above spikes may be had at factory prices, of Erastus Corning & Co., Albany; Hart & Merritt, New York; J. H. Whitney, do.; E. J. Etting, Philadelphia; Wm. E. Coffin & Co., Boston. ja45

MATACHINE WORKS OF ROGERS.

MACHINE WORKS OF ROGERS, Ketchum & Grosvenor, Patterson, N. J. The undersigned receive orders for the following articles, manufactured by them of the most superior descrip-tion in every particular. Their works being exten-sive and the number of hands employed beinglarge, they are enabled to execute both large and small orders with promptness and despatch.

Railroad Work.

Locomotive steam engines and tenders; Driving

and other locomotive wheels, axles, springs & flange Reference made to upwards of nine hundred and tires; car wheels of cast iron, from a variety of patterns, and chills; car wheels of cast iron with wrought tires; axles of best American refined iron; wrought tires; axles of best American refined iron;

All orders directed to the Agent, Troy, N. York will be punctually attended to.

HENRY BURDEN, Agent.

Spikes are kept for sale, at Factory Prices, by I.

& J. Townsend, Albany, and the principal fron merchants in Albany and Troy; J. I. Brower, 222 Water St., New York; A. M. Jones, Philadelphia; T. Janviers, Baltimore; Degrand & Smith, Boston.

. Railroad Companies would do well to forward their orders as early as practicable, as the subscriber is desirous of extending the manufeturing so as to keep pace with the daily increasing demand.

ja45

terns, and chills; car wheels of cast iron with wrought tires; axles of best American refined iron; springs; boxes and bolts for cars.

Cotton, Wool and Flax Machinery of all descriptions and of the most improved patterns, style and workmanship.

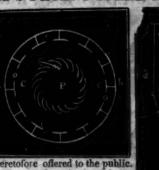
Mill gearing and Millwright work generally; hydraulic and other presses; press screws; callenders; lathes and tools of all kinds; iron and brass castings of all descriptions.

ROGERS, KETCHUM & GROSVENOR, also received and street, N. York.

They also furnish Snow Ploughs and Chilled Wheels of any pattern and size. Forged Axles, Springs, Boxes and Bolts for Cars at the lowest hydraulic and other presses; press screws; callenders; lathes and tools of all kinds; iron and brass castings of all descriptions.

ROGERS, KETCHUM & GROSVENOR, also received and interest process. All orders punctually executed and forward to any part of the country.

Our Works are within fifteen minutes ride from State street, Boston—coaches pass every fifteen minutes.







A GOLD MEDAL AWARDED THE INVENTOR BY THE AMERICAN INSTITUTE.

THE UNDERSIGNED RESPECTFUL—but 8 feet; the timber being more concentrated under ly invites the attention of Engineers, and Rail-the Rails. A block of hard wood, about 2 feet long read Companies, to some highly important improve—and 15 inches wide, is introduced into a square of ments he has recently made in the Herron system of the trellis for the purpose of giving an additional, him to effect a very large reduction in the quantity which rest upon it. Should these joint blocks be-of Timber, and cost of construction, without impair—come chafed and worn by the working, and imbeding the strength of the Track; or its powers of resist-ding of the chairs, as is now the case on all Railing frost, while they seeme additional features of roads, they can be readily replaced without any de-accellence in the Drainage and facility of making rangement of the timbers less liable to wear. The following is a general estimate of its cost near

The above cut represents the "Herron Track" as the sit is laid on the Philadelphia and Reading, and onless, he Baltimore and Susquehanna Railroads. The intersection of the sills of the trellis are 5 feet from centre to centre, while in the new construction they are only 21 feet. This renders the string piece untecessary, thus removing the only objectionable feature found in the Track.

The result of experience has proved that all Tracks 13.00 ents the "Herron Track" as the seaboard. In the interior it will be considerably

The result of experience has proved that all Tracks constructed with longitudinal timbers, such as mud constructed with longitudinal timbers, such as mud workmans in the residual pieces retain the rain water that falls between the Rails, which, being thus confined, settles along those timbers, and accumulating in quantity flows rapidly along them on the descending grades, washich will be shown in properly proportioned moing out the earth from under the timber, and frequently rausing large breaches in the embankments of the Track than a drawing will do.

Sales of the Patent right to all the distant States will be made on liberal terms. into the side ditches

In the 5 foot plan, the Track occupies a Road bed nearly 11 feet wide, while the new construction takes

ESTIMATE OF THE PROBABLE COST OF ONE MILE.

Workmanship free of patent charge 600 '00

JAMES HERRON.
Civil Engineer and Patentee. No. 277 South Tenth St., Philadelphia. 33tf

E NGLISH PATENT WIRE ROPES—FOR THE USE OF MINES, RAILWAYS, ETC.—
for sale or imported to order by the subscriber.
These Ropes are manufactured on an entirely different principle from any other, and are now almost exclusively used in the collieries and on the railways in Great Britain, where they are considered to be greatly superior to hempen ones, or iron chains, as regards safety, durability and economy. The plan upon which they are made effectually secures them from corrosion in the interior, as well as the exterior of the rope, and gives a greater compactness and elasticity than is found in any other manufacture.

Many of these ropes have been in constant operation in the different mines in England, and on the Blackwall and other inclined planes, for three and four years, and are still in good condition.

They have been applied to almost every purpose for which hempen ropes have been used—mines, heavy cranes, standing rigging, window cords, lightning conductors, signal halyards, tiller ropes, etc. Reference is made to the annexed statement for the relative strength and size. Testimonials from the most eminent engineers in England can be shown as to their efficiency, and any additional information required respecting the different descriptions and application will be given by

ALFRED L. KEMP,

75 Broad street, New York, sole agent in the United States.

Statement of Trial made at the Woolwich Royal Dock Yard, of the Patent Wire Ropes, as compared with Hempen Ropes and Iron Chains of the same strength.—October, 1841.

WIRE ROPES,			HEMPEN ROPES.			CHAINS.		STRENGTH		
Wire gauge number.	Circumference of rope.	Waight per fathom.		Circumference of rope.	Weight perfathom.		Weight per fathom.	Diameter of iron.	Tons.	
INCH. 41	INCH.	LBs. 13	oz. 5	INCH.	LBs. 24	oz.	LBS. 50	INCH. 15-16	20	
. 13	31	8	3	81	16	-	27	11-16	134	
4500 14959	3	6	11220	71	13	8	17	9-16	101	
15	21	M-16 1	3 11	61	9	4	134	1-3	71	
16	21	CONSTA	3	6	8	8	101	7-16	10001457	

The working load, with a perpendicular lift, may be taken at 6 cwt. for every lb. weight per fathom, that a rope weighing 5 lbs. per fathom would safely lift 3360 lbs., and so on in proportion. 19 iom, so 1y24



1y10 near Third, LAP-WELDED WROUGHT IRON TUBES

TUBULAR BOILERS. FROM 1 1-4 TO 6 INCHES DIAMETER,

ANY LENGTH, NOT EXCEEDING 17 PEET.

These Tubes are of the same quality and manufacture as those so extensively used in England, Scotland, France and Germany, for Locomotive, Marine and other Steam Engine Boilers.

THOMAS PROSSER.

Patentee

28 Platt street, New York.

RAILROAD IRON. MOUNT SAVAGE IRON WORKS

THIS Company are prepared to execute orders for RAILBOAD IRON, of any pattern, and equa in point of quality to any other manufactured.

Address

J. M. HOWE,

Pres't. Mt. Savage Iron Works Dec. 25, 1y* Maryland.

RAILROAD IRON. THE MONTOUR
Iron Company," Danville, Pa., is prepared
to execute orders for the heavy Rail Bars of any AILROAD IRON .- THE "MONTOUR to execute orders for the neavy man pattern now in use, in this country or in Europe, pattern now in use, in this country or in Europe, and equal in every respect in point of quality, ply to MURDOCK, LEAVITT & CO.,

77 Pine St., New York.

AILWAY IRON.—DAVIS, BROOKS & Co., No. 68 Broad Street, have now in port on Ship-board, 200 Tons of the best English heavy H Rails, 60 lbs. to the lineal yard, which they offer for sale on favorable terms, also, about 6 to 700 Tons now on the way, to arrive shortly, of the same description of Rail.

Nov. 16, 1846.

ENGINEERS and MACHINISTS. THOMAS PROSSER, 28 Platt St. N. Y. (See

Adv.)
J. F. WINSLOW, Albany Iron and Nail Works
Troy, N. Y. (See Adv.)
TROY IRON AND NAIL FACTORY, H. Bur-

den, Agent. (See Adv.)
ROGERS, KETCHUM & GROSVENOR, Patterson, N. J. (See Adv.)
S. VAIL, Speedwell Iron Works, near Morristown, N. J. (See Adv.)
NORRIS, BROTHERS, Philadelphia Pa. (See

NORRIS, BROTHERS, Philadelphia Pa. (See adv.)
FRENCH & BAIRD, Philadelphia. (See Adv.)
FRENCH & BAIRD, Philadelphia. (See Adv.)
NEWCASTLE MANUFACTURING COMPANY, Newcastle, Del. (See Adv.)
ROSS WINANS, Baltimore, Md.
CYRUS ALGER & Co., South Boston Iron Co.
SETH ADAMS, Engineer, South Boston.
STILLMAN, ALLEN & Co., N. Y.
JAS. P. ALLAIRE, N. Y.
PHŒNIX FOUNDRY, N. Y.
ANDREW MENEELY, West Troy.
JOHN F. STARR, Philadelphia, Pa.
MERRICK & TOWNE,
HINCKLEY & DRURY, Boston.
C. C. ALGER, Stockbridge Iron Works Stockbridge, Mass.